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FD 9-64
October 1964

U. S. TRADE IN DAIRY BREEDING CATTLE, 1963

The value per head of U. S. dairy cattle exports in 1963 reached a record high as average price rose for the fourth consecutive year to over $400 per head. The total value of exports was estimated at $5.3 million, up 3 percent from the previous record year of 1961.

The number of dairy cattle exported, however, did not surpass the abnormal high of 13,356 head in 1961 which was characterized by panic Cuban purchases of over 3,450 head before trade was embargoed. Considering the loss of this market, U. S. inspections for export in 1963 showed considerable gains as 12,599 head were shipped. This represents more than a 12 percent increase from 1962.

Mexico continued to be the largest market for U. S. dairy cattle, accounting for 73 percent of the total trade. Canada, our largest competitor for Latin American markets, was second, taking 1,146 head. Other major markets in order of importance were Venezuela, Dominican Republic, the Republic of the Philippines, and Korea.

The prime aim of the 1963 promotional activities was to increase exports to the established markets for dairy cattle in Central and South America. This goal was met, with sales to these areas about 25 percent greater than in 1962. The increase for Mexico alone was 31 percent. At the same time, work was intensified to cultivate greater sales in the Far East and Europe.

In Latin America promotion followed a pattern proven successful over the years of extending maximum encouragement to foreign buyers. To help importing countries upgrade herds, U. S. breed representatives inspected and classified U. S. breeds and judged cattle in international livestock exhibitions.

Besides Latin America, the United States expanded its sales to Japan, Finland, and the Republic of the Philippines, which together took 283 head compared with only 13 head in 1962.

Outlook

The prospects for expanded sales of U. S. dairy cattle in 1964 are good. Intensive promotional work carried on by FAS and the breed associations has succeeded in overcoming some of the many problems facing U. S. exporters. A new source of financing dairy cattle exports was developed in 1963. It made it possible for U. S. exporters to get the Foreign Credit Insurance Association (FCIA) to insure loans for the purchase of U. S. cattle up to 85 percent of the loan value. Through further expansion of this credit, sales can be expected to increase further. In 1964 U. S. exports of dairy cattle will probably exceed 1963 shipments.

U. S. exports, dairy cattle, by breed

Breed	1962 1/	1963
	Head	Head
Holstein	8,968	10,355
Brown Swiss	1,099	1,179
Guernsey	735	576
Jersey	366	420
Ayrshire	37	69
Total	11,205	12,599

1/ Revised.

Table 1.--Breeding cattle, dairy: Inspections for export from the United States by destination, breed, state of origin, age and sex, annual 1963 with comparisons

Breed and destination	Male				Female				Total	
	Under 1 year	1 year and over 2 years	2 years and over	All ages	Under 1 year	1 year and over 2 years	2 years and over	All ages	1963	1962 1/
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Ayrshire:										
Bahamas	--	--	--	--	--	--	--	--	--	1
Bermuda	--	--	--	--	--	--	--	--	--	1
Canada	6	15	5	26	4	7	18	29	55	23
Colombia	--	--	--	--	--	--	--	--	--	7
Dominican Republic	--	--	--	--	--	--	3	3	3	--
Finland	--	--	1	1	--	--	10	10	11	--
Honduras	--	--	--	--	--	--	--	--	--	5
Total	6	15	6	27	4	7	31	42	69	37
Brown Swiss:										
Bahamas	--	--	--	--	--	--	14	14	14	3
Bolivia	--	--	--	--	--	--	--	--	--	3
Canada	9	1	--	10	28	17	51	96	106	79
Colombia	--	--	1	1	--	--	--	--	1	26
Costa Rica	1	--	--	1	--	--	--	--	1	29
Dominican Republic	1	1	8	10	18	5	33	56	66	87
Ecuador	1	1	--	2	6	1	--	7	9	--
El Salvador	--	12	1	13	1	--	11	12	25	86
Guatemala	--	2	5	7	--	--	4	4	11	7
Honduras	10	43	4	57	1	25	--	26	83	11
India	--	--	--	--	--	--	--	--	--	1
Mexico	14	16	8	38	14	30	105	149	187	110
Nicaragua	2	16	2	20	15	4	1	20	40	35
Panama	8	13	2	23	--	3	5	8	31	18
Peru	2	1	--	3	21	--	--	21	24	221
Philippine Republic	--	18	1	19	--	128	26	154	173	--
South Africa, Rep. of	--	--	1	1	--	--	1	1	2	11
Venezuela	55	50	20	125	27	19	235	281	406	372
Total	103	174	53	330	131	232	486	849	1,179	1,099
Guernsey:										
Bahamas	--	--	--	--	--	--	25	25	25	11
Br. West Indies	--	--	--	--	1	--	--	1	1	--
Canada	10	7	12	29	60	105	212	377	406	670
Colombia	--	--	--	--	--	--	--	--	--	3
Costa Rica	3	2	--	5	--	3	--	3	8	6
Dominican Republic	--	--	--	--	--	16	4	20	20	8
Honduras	1	1	1	3	--	--	--	--	3	--
Korea	1	--	--	1	--	--	35	35	36	--
Mexico	2	1	1	4	27	9	24	60	64	30
Nicaragua	--	1	--	1	--	--	--	--	1	7
Panama	--	2	--	2	--	--	--	--	2	--
South Africa, Rep. of	4	3	--	7	--	--	--	--	7	--
Venezuela	--	1	--	1	--	--	2	2	3	--
Total	21	18	14	53	88	133	302	523	576	735
Holstein:										
Argentina	2	3	--	5	1	3	14	18	23	7
Bahamas	--	1	1	2	--	1	56	57	59	24
Bolivia	--	--	--	--	3	--	1	4	4	--
Brazil	--	--	--	--	--	--	--	--	--	18
Br. Guiana	--	--	--	--	--	--	--	--	--	22
Br. West Indies	7	1	--	8	7	--	--	7	15	2
Canada	142	15	50	207	123	34	87	244	451	258
Chile	--	1	--	1	--	--	--	--	1	13
Colombia	5	8	10	23	--	18	--	18	41	31
Costa Rica	--	--	1	1	--	6	4	10	11	--
Dominican Republic	3	2	3	8	1	60	282	343	351	449
Ecuador	--	1	--	1	--	--	--	--	1	6
El Salvador	--	--	--	--	--	--	--	--	--	4
Germany, West	--	--	--	--	--	--	--	--	--	1
Guatemala	--	1	--	1	--	--	5	5	6	--
Honduras	--	--	--	--	--	--	--	--	--	10
Hong Kong	1	--	--	1	--	--	--	--	1	20
India	2	--	--	2	5	2	--	7	9	--
Israel	--	--	--	--	--	--	--	--	--	14
Italy	3	3	1	7	--	5	5	10	17	37
Jamaica	--	--	2	2	6	--	--	6	8	--
Japan	2	2	2	6	3	7	62	72	78	10
Korea	--	--	--	--	--	--	62	62	62	971
Mexico	31	37	15	83	175	219	8,372	8,766	8,849	6,888
Okinawa	--	1	--	1	--	--	--	--	1	--
Panama	5	2	5	12	1	1	--	2	14	7
Paraguay	--	1	--	1	--	--	--	--	1	1
Peru	2	1	2	5	--	--	2	2	7	141
Philippines	--	1	--	1	--	--	--	--	1	--
South Africa, Rep. of	8	--	--	8	--	--	--	--	8	--
Venezuela	109	42	21	172	42	38	84	164	336	34
Total	322	123	113	558	367	394	9,036	9,797	10,355	8,968
Jersey:										
Bahamas	--	--	--	--	--	--	12	12	12	44
Bolivia	4	--	--	4	4	2	--	6	10	--
Canada	5	7	7	19	8	21	80	109	128	101
Costa Rica	1	--	--	1	--	--	--	--	1	3
Dominican Republic	--	--	--	--	--	1	2	3	3	--
Guatemala	--	1	--	1	--	--	--	--	1	--
Honduras	--	1	--	1	--	--	--	--	1	--
India	--	--	--	--	--	--	--	--	--	100
Korea	1	1	--	2	--	--	22	22	24	23
Mexico	3	6	--	9	16	17	99	132	141	49
Okinawa	--	--	--	--	--	--	--	--	--	14
Paraguay	--	--	--	--	--	--	--	--	--	23
Philippines	--	3	--	3	--	17	--	17	20	3
South Africa, Rep. of	2	6	1	9	15	51	1	67	76	3
Venezuela	--	--	1	1	--	1	1	2	3	3
West Indies	--	--	--	--	--	--	--	--	--	--
Total	16	25	9	50	43	110	217	370	420	366
Grand Total	468	355	195	1,018	633	876	10,072	11,581	12,599	11,205

1/ For more detail see Circular FD 3-63, April 1963.

Table 2.--Breeding cattle, dairy: Inspections for export from the United States, by destination, breed, state of origin, age, and sex, annual 1963 with comparisons

Destination, breed, and state of origin	Male				Female				Total	
	Under 1 year	1 year and under 2 years	2 years and over	All ages	Under 1 year	1 year and under 2 years	2 years and over	All ages	Jan.-Dec. 1963	Jan.-Dec. 1962
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Africa, Rep. of S.:										
Brown Swiss										
Wisconsin	--	--	--	--	--	--	--	--	--	3
Guernsey										
North Carolina	2	--	--	2	--	--	--	--	2	--
South Carolina	2	1	--	3	--	--	--	--	3	--
Virginia	--	2	--	2	--	--	--	--	2	--
Holstein										
Louisiana	2	--	--	2	--	--	--	--	2	--
Maryland	2	--	--	2	--	--	--	--	2	--
North Carolina	4	--	--	4	--	--	--	--	4	--
Jersey										
Georgia	1	1	--	2	--	--	--	--	2	--
Louisiana	1	--	--	1	--	--	--	--	1	--
North Carolina	--	3	--	3	15	43	--	58	61	--
Tennessee	--	2	--	2	--	6	--	6	8	--
Total	14	9	--	23	15	49	--	64	87	3
Argentina:										
Holstein										
Delaware	2	1	--	3	--	--	--	--	3	--
Illinois	--	--	--	--	1	--	2	3	3	1
New York	--	2	--	2	--	3	12	15	17	--
Pennsylvania	--	--	--	--	--	--	--	--	--	4
Washington	--	--	--	--	--	--	--	--	--	2
Total	2	3	--	5	1	3	14	18	23	7
Bahamas:										
Ayrshire										
Wisconsin	--	--	--	--	--	--	--	--	--	1
Brown Swiss										
Florida	--	--	--	--	--	--	2	2	2	--
Tennessee	--	--	--	--	--	--	12	12	12	2
Wisconsin	--	--	--	--	--	--	--	--	--	1
Guernsey										
Florida	--	--	--	--	--	--	19	19	19	--
Tennessee	--	--	--	--	--	--	6	6	6	8
Wisconsin	--	--	--	--	--	--	--	--	--	3
Holstein										
Florida	--	--	--	--	--	--	43	43	43	--
Tennessee	--	1	1	2	--	--	13	13	15	11
Wisconsin	--	--	--	--	--	1	--	1	1	13
Jersey										
Florida	--	--	--	--	--	--	9	9	9	--
Tennessee	--	--	--	--	--	--	3	3	3	40
Wisconsin	--	--	--	--	--	--	--	--	--	4
Total	--	1	1	2	--	1	107	108	110	83
Bermuda:										
Ayrshire										
Pennsylvania	--	--	--	--	--	--	--	--	--	1
Total	--	--	--	--	--	--	--	--	--	1
Bolivia:										
Brown Swiss										
New Hampshire	--	--	--	--	--	--	--	--	--	3
Holstein										
Florida	--	--	--	--	--	--	1	1	1	--
Maine	--	--	--	--	2	--	--	2	2	--
Massachusetts	--	--	--	--	1	--	--	1	1	--
Jersey										
Maine	4	--	--	4	3	2	--	5	9	--
New Hampshire	--	--	--	--	1	--	--	1	1	--
Total	4	--	--	4	7	2	1	10	14	3
Brazil:										
Holstein										
New York	--	--	--	--	--	--	--	--	--	5
Washington	--	--	--	--	--	--	--	--	--	3
Wisconsin	--	--	--	--	--	--	--	--	--	10
Total	--	--	--	--	--	--	--	--	--	18
British Guiana:										
Holstein										
Maine	--	--	--	--	--	--	--	--	--	4
Massachusetts	--	--	--	--	--	--	--	--	--	16
New Hampshire	--	--	--	--	--	--	--	--	--	2
Total	--	--	--	--	--	--	--	--	--	22
British West Indies:										
Guernsey										
Florida	--	--	--	--	1	--	--	1	1	--
Holstein										
Florida	1	--	--	1	--	--	--	--	1	--
New York	6	1	--	7	7	--	--	7	14	2
Total	7	1	--	8	8	--	--	8	16	2
Canada:										
Ayrshire										
Connecticut	1	1	--	2	--	1	--	1	3	--
Illinois	1	2	--	3	--	--	--	--	3	2
Iowa	--	--	--	--	--	--	--	--	--	2
Maine	--	--	1	1	--	--	--	--	1	1
Massachusetts	1	4	--	5	--	--	2	2	7	--
Missouri	--	4	1	5	--	5	1	6	11	--
Montana	3	--	--	3	--	--	--	--	3	--
New York	--	1	--	1	--	--	--	--	1	16
Ohio	--	--	--	--	--	--	3	3	3	--
Pennsylvania	--	--	--	--	3	--	--	3	3	2
Vermont	--	1	--	1	1	--	1	2	3	--
Washington	--	--	1	1	--	--	--	--	1	--
Wisconsin	--	2	2	4	--	1	11	12	16	--

Continued

Table 2.--Breeding cattle, dairy: Inspections for export from the United States, by destination, breed, state of origin, age, and sex, annual 1963 with comparisons-Cont'd.

Destination, breed, and state of origin	Male				Female				Total	
	Under 1 year	1 year and under 2 years	2 years and over	All ages	Under 1 year	1 year and under 2 years	2 years and over	All ages	Jan.-Dec. 1963	Jan.-Dec. 1962
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Canada: - Continued										
Brown Swiss										
Illinois	--	--	--	--	1	3	2	6	6	2
Iowa	--	--	--	--	--	--	--	--	--	2
Maine	--	--	--	--	--	1	--	1	1	--
Michigan	--	--	--	--	--	--	--	--	--	9
Minnesota	--	--	--	--	1	1	8	10	10	10
Montana	--	1	--	1	5	--	--	5	6	8
New Jersey	--	--	--	--	--	--	--	--	--	3
New York	3	--	--	3	10	3	21	34	37	22
North Dakota	--	--	--	--	--	2	--	2	2	3
Ohio	--	--	--	--	--	--	3	3	3	9
Pennsylvania	--	--	--	--	--	--	--	--	--	5
South Dakota	--	--	--	--	--	1	5	6	6	4
Vermont	5	--	--	5	11	--	1	12	17	--
Washington	1	--	--	1	--	6	11	17	18	--
Wisconsin	--	--	--	--	--	--	--	--	--	2
Guernsey										
California	--	--	--	--	2	1	4	7	7	--
Connecticut	1	--	--	1	--	--	--	--	1	46
Illinois	--	--	--	--	--	--	--	--	--	4
Indiana	--	1	--	1	--	2	7	9	10	64
Maine	--	--	1	1	4	2	8	14	15	4
Maryland	--	--	--	--	--	--	--	--	--	42
Massachusetts	--	--	--	--	--	--	--	--	--	15
Minnesota	--	--	--	--	--	2	8	10	10	17
Missouri	--	--	--	--	--	--	--	--	--	2
Montana	--	--	--	--	--	--	--	--	--	8
New Hampshire	--	--	--	--	--	--	--	--	--	11
New Jersey	--	1	1	2	14	2	14	30	32	69
New York	3	3	5	11	22	69	97	188	199	241
North Dakota	--	--	--	--	--	--	--	--	--	22
Ohio	--	--	--	--	5	5	11	21	21	17
Oregon	--	--	--	--	--	--	--	--	--	1
Pennsylvania	1	--	--	1	--	9	6	15	16	70
Tennessee	--	--	--	--	--	--	1	1	1	--
Vermont	--	--	--	--	1	4	1	6	6	2
Washington	5	2	5	12	12	9	55	76	88	34
Wisconsin	--	--	--	--	--	--	--	--	--	1
Holstein										
California	--	--	1	1	1	--	1	2	3	1
Connecticut	--	--	1	1	--	--	--	--	1	2
Illinois	1	--	--	1	--	1	14	15	16	32
Indiana	--	--	--	--	1	5	26	32	32	14
Maine	1	1	3	5	--	--	--	--	5	6
Michigan	--	2	--	2	--	--	--	--	2	19
Minnesota	9	1	33	43	13	--	--	13	56	10
Missouri	--	--	--	--	--	--	--	--	--	2
Montana	--	1	--	1	--	1	--	1	2	2
Nebraska	2	--	--	2	--	--	--	--	2	--
Nevada	--	--	--	--	--	1	--	1	1	--
New Hampshire	2	--	--	2	--	1	--	1	3	--
New Jersey	--	--	1	1	--	--	--	--	1	4
New York	5	2	2	9	29	4	15	48	57	64
North Dakota	3	1	1	5	7	1	3	11	16	26
Ohio	--	--	--	--	6	2	4	12	12	6
Oregon	--	--	--	--	--	--	--	--	--	2
Pennsylvania	1	2	--	3	38	4	2	44	47	21
Texas	--	--	--	--	--	--	2	2	2	--
Vermont	2	--	--	2	16	10	8	34	36	--
Washington	113	2	4	119	7	--	6	13	132	14
Wisconsin	3	3	4	10	5	4	6	15	25	24
Wyoming	--	--	--	--	--	--	--	--	--	9
Jersey										
Connecticut	--	--	--	--	--	5	14	19	19	3
Illinois	1	1	2	4	--	--	--	--	4	1
Indiana	--	--	2	2	--	1	14	15	17	1
Maine	--	--	--	--	1	--	2	3	3	4
Maryland	--	--	--	--	--	--	--	--	--	1
Massachusetts	--	--	--	--	--	--	--	--	--	2
Michigan	--	--	--	--	2	--	1	3	3	2
Minnesota	--	--	--	--	--	--	--	--	--	1
New Hampshire	--	--	--	--	--	--	--	--	--	3
New Jersey	3	--	2	5	--	--	3	3	8	4
New York	1	--	--	1	--	2	8	10	11	12
Ohio	--	1	--	1	--	--	1	1	2	11
Rhode Island	--	3	--	3	1	3	11	15	18	16
Tennessee	--	1	--	1	--	--	--	--	1	--
Vermont	--	1	--	1	--	--	11	11	12	24
Washington	--	--	1	1	4	10	15	29	30	16
Total	172	45	74	291	223	184	448	855	1,146	1,131
Chile:										
Holstein										
Oregon	--	--	--	--	--	--	--	--	--	11
Washington	--	1	--	1	--	--	--	--	1	--
Wisconsin	--	--	--	--	--	--	--	--	--	2
Total	--	1	--	1	--	--	--	--	1	13
Colombia:										
Ayrshire										
Illinois	--	--	--	--	--	--	--	--	--	7
Brown Swiss										
Illinois	--	--	1	1	--	--	--	--	1	1
Maryland	--	--	--	--	--	--	--	--	--	4
New Hampshire	--	--	--	--	--	--	--	--	--	8
New Jersey	--	--	--	--	--	--	--	--	--	4
Ohio	--	--	--	--	--	--	--	--	--	1
Wisconsin	--	--	--	--	--	--	--	--	--	8
Guernsey										
Washington	--	--	--	--	--	--	--	--	--	3

Continued

Table 2.--Breeding cattle, dairy: Inspections for export from the United States, by destination, breed, state of origin, age, and sex, annual 1963 with comparisons-Cont'd.

Destination, breed, and state of origin	Male				Femala				Total	
	Under 1 year	1 year and under 2 yeara	2 years and over	All ages	Under 1 year	1 year and under 2 years	2 years and over	All agas	Jan.-Dec. 1963	Jan.-Dec. 1962
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Colombia: - Continued										
Holstein										
California	--	--	--	--	--	--	--	--	--	5
Connecticut	2	4	--	6	--	--	--	--	6	4
Illinoia	--	--	2	2	--	--	--	--	2	6
New York	--	--	5	5	--	--	--	--	5	2
Ohio	--	--	3	3	--	--	--	--	3	--
Washington	--	--	--	--	--	--	--	--	--	1
Wisconsin	3	4	--	7	--	18	--	18	25	13
Total	5	8	11	24	--	18	--	18	42	67
Costa Rica:										
Brown Swias										
Connecticut	--	--	--	--	--	--	--	--	--	2
Florida	--	--	--	--	--	--	--	--	--	1
New Jersey	1	--	--	1	--	--	--	--	1	10
New York	--	--	--	--	--	--	--	--	--	4
Ohio	--	--	--	--	--	--	--	--	--	4
Texaa	--	--	--	--	--	--	--	--	--	1
Wisconain	--	--	--	--	--	--	--	--	--	7
Guernsey										
Maryland	--	--	--	--	--	--	--	--	--	3
Pennsylvania	2	2	--	4	--	3	--	3	7	3
Tennessee	1	--	--	1	--	--	--	--	1	--
Holstein										
Ohio	--	--	--	--	--	6	4	10	10	--
Washington	--	--	1	1	--	--	--	--	1	--
Jersey										
New Jersey	1	--	--	1	--	--	--	--	1	2
Oregon	--	--	--	--	--	--	--	--	--	1
Total	5	2	1	8	--	9	4	13	21	38
Dominican Republic:										
Ayrshire										
New York	--	--	--	--	--	--	3	3	3	--
Brown Swias										
Connecticut	--	--	--	--	--	--	2	2	2	--
Florida	--	1	--	1	8	2	21	31	32	29
Minnesota	--	--	--	--	--	--	--	--	--	49
Texas	1	--	8	9	10	3	10	23	32	--
Wisconsin	--	--	--	--	--	--	--	--	--	9
Guernsey										
Florida	--	--	--	--	--	16	4	20	20	8
Holstein										
Florida	3	2	2	7	--	59	266	325	332	242
Kansas	--	--	--	--	1	--	--	1	1	--
Kentucky	--	--	--	--	--	--	6	6	6	--
Ohio	--	--	1	1	--	1	9	10	11	1
Texas	--	--	--	--	--	--	1	1	1	2
Wisconsin	--	--	--	--	--	--	--	--	--	204
Jersey										
Florida	--	--	--	--	--	1	2	3	3	--
Total	4	3	11	18	19	82	324	425	443	544
Ecuador:										
Brown Swiss										
New Hampshire	1	1	--	2	6	1	--	7	9	--
Holstein										
Illinois	--	--	--	--	--	--	--	--	--	2
Maryland	--	--	--	--	--	--	--	--	--	2
Ohio	--	--	--	--	--	--	--	--	--	2
Washington	--	1	--	1	--	--	--	--	1	--
Total	1	2	--	3	6	1	--	7	10	6
El Salvador:										
Brown Swiss										
Connecticut	--	--	--	--	--	--	--	--	--	5
New Jersey	--	--	--	--	--	--	--	--	--	10
New York	--	--	--	--	--	--	--	--	--	2
Ohio	--	12	1	13	1	--	11	12	25	69
Holstein										
Ohio	--	--	--	--	--	--	--	--	--	4
Total	--	12	1	13	1	--	11	12	25	90
Finland:										
Ayrshire										
Maryland	--	--	1	1	--	--	10	10	11	--
Total	--	--	1	1	--	--	10	10	11	--
Germany:										
Holatein										
Maryland	--	--	--	--	--	--	--	--	--	1
Total	--	--	--	--	--	--	--	--	--	1
Guatemala:										
Brown Swiss										
Connecticut	--	--	1	1	--	--	--	--	1	--
Florida	--	2	4	6	--	--	4	4	10	--
Missouri	--	--	--	--	--	--	--	--	--	1
Texas	--	--	--	--	--	--	--	--	--	6
Holstein										
Florida	--	--	--	--	--	--	5	5	5	--
Michigan	--	1	--	1	--	--	--	--	1	--
Jersey										
Florida	--	1	--	1	--	--	--	--	1	--
Total	--	4	5	9	--	--	9	9	18	7

Continuad

Table 2.--Breeding cattle, dairy: Inspectiona for export from the United States, by destination, breed, state of origin, age, and sex, annual 1963 with comparisona-Cont'd.

Destination, breed, and state of origin	Male				Female				Total	
	Under 1 year	1 year and under 2 years	2 years and over	All ages	Under 1 year	1 year and under 2 years	2 years and over	All agea	Jan.-Dec. 1963	Jan.-Dec. 1962
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Honduras:										
Ayrshire										
New York	--	--	--	--	--	--	--	--	--	2
Vermont	--	--	--	--	--	--	--	--	--	3
Brown Swiss										
Illinois	3	2	1	6	--	--	--	--	6	--
Michigan	--	13	--	13	--	8	--	8	21	--
Texas	--	--	1	1	--	--	--	--	1	11
Wisconsin	7	28	2	37	1	17	--	18	55	--
Guernsey										
South Carolina	--	1	--	1	--	--	--	--	1	--
Texas	1	--	--	1	--	--	--	--	1	--
Wisconsin	--	--	1	1	--	--	--	--	1	--
Holstein										
Florida	--	--	--	--	--	--	--	--	--	3
New York	--	--	--	--	--	--	--	--	--	1
Ohio	--	--	--	--	--	--	--	--	--	1
Vermont	--	--	--	--	--	--	--	--	--	5
Jersey										
Wisconsin	--	1	--	1	--	--	--	--	1	--
Total	11	45	5	61	1	25	--	26	87	26
Hong Kong:										
Holstein										
California	--	--	--	--	--	--	--	--	--	20
Wisconsin	1	--	--	1	--	--	--	--	1	--
Total	1	--	--	1	--	--	--	--	1	20
India:										
Brown Swiss										
Maine	--	--	--	--	--	--	--	--	--	1
Holstein										
Kansas	2	--	--	2	5	2	--	7	9	--
Jersey										
Connecticut	--	--	--	--	--	--	--	--	--	3
Maine	--	--	--	--	--	--	--	--	--	9
Missouri	--	--	--	--	--	--	--	--	--	69
New Hampahire	--	--	--	--	--	--	--	--	--	8
Ohio	--	--	--	--	--	--	--	--	--	8
Vermont	--	--	--	--	--	--	--	--	--	3
Total	2	--	--	2	5	2	--	7	9	101
Israel:										
Holstein										
Connecticut	--	--	--	--	--	--	--	--	--	2
Maine	--	--	--	--	--	--	--	--	--	1
New Hampshire	--	--	--	--	--	--	--	--	--	1
New York	--	--	--	--	--	--	--	--	--	10
Total	--	--	--	--	--	--	--	--	--	14
Italy:										
Holstein										
Illinois	2	--	--	2	--	--	--	--	2	--
Maine	--	--	--	--	--	--	--	--	--	23
Washington	1	3	1	5	--	3	2	5	10	1
Wisconsin	--	--	--	--	--	2	3	5	5	13
Total	3	3	1	7	--	5	5	10	17	37
Jamaica:										
Holstein										
Connecticut	--	--	2	2	6	--	--	6	8	--
Total	--	--	2	2	6	--	--	6	8	--
Japan:										
Holstein										
California	--	1	--	1	--	--	46	46	47	3
Illinoia	--	--	2	2	--	--	2	2	4	--
Washington	1	1	--	2	--	4	4	8	10	6
Wisconsin	1	--	--	1	3	3	10	16	17	1
Total	2	2	2	6	3	7	62	72	78	10
Korea:										
Guernsey										
California	1	--	--	1	--	--	35	35	36	--
Holstein										
California	--	--	--	--	--	--	62	62	62	970
Waahington	--	--	--	--	--	--	--	--	--	1
Jersey										
California	1	1	--	2	--	--	22	22	24	23
Total	2	1	--	3	--	--	119	119	122	994
Mexico:										
Brown Swiss										
Arizona	--	--	1	1	--	--	--	--	1	39
California	--	1	--	1	--	--	7	7	8	3
Connecticut	4	2	--	6	--	--	--	--	6	--
Minneaota	--	--	--	--	--	--	--	--	--	1
New Jersey	--	--	--	--	1	5	2	8	8	--
New Mexico	--	--	--	--	--	--	--	--	--	4
New York	--	--	--	--	--	--	--	--	--	39
Texss	10	13	7	30	13	25	96	134	164	16
Wisconsin	--	--	--	--	--	--	--	--	--	8
Guernsey										
Arizons	--	1	--	1	--	--	--	--	1	--
California	1	--	1	2	--	--	14	14	16	15
New York	--	--	--	--	--	2	--	2	2	--
Pennsylvania	--	--	--	--	--	--	--	--	--	3
Texas	1	--	--	1	19	4	6	29	30	9
Wisconsin	--	--	--	--	8	3	4	15	15	3

Continued

Table 2.--Breeding cattle, dairy: Inspections for export from the United States, by destination, breed, state of origin, age, and sex, annual 1963 with comparisons-Cont'd.

Destination, breed, and state of origin	Male				Female				Total	
	Under 1 year	1 year and under 2 years	2 years and over	All ages	Under 1 year	1 year and under 2 years	2 years and over	All ages	Jan.-Dec. 1963	Jan.-Dec. 1962
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Mexico: - Continued										
Holstein										
Arizona	4	--	1	5	2	--	48	50	55	40
California	17	5	3	25	111	88	2,853	3,052	3,077	2,257
Colorado	--	--	--	--	--	3	46	49	49	104
Connecticut	--	--	--	--	--	--	--	--	--	1
Illinois	--	--	--	--	5	15	72	92	92	86
Iowa	--	--	--	--	9	--	87	96	96	51
Minnesota	1	2	--	3	3	12	959	974	977	1,614
Missouri	--	--	--	--	--	--	--	--	--	43
Montana	--	--	--	--	--	--	--	--	--	45
New Hampshire	--	--	--	--	1	--	--	1	1	1
New Mexico	3	--	2	5	27	18	34	79	84	16
New York	--	--	2	2	--	--	--	--	2	55
Ohio	--	--	--	--	--	--	5	5	5	--
Pennsylvania	--	--	--	--	--	1	23	24	24	6
South Dakota	--	--	--	--	--	--	173	173	173	--
Texas	6	18	6	30	17	6	551	574	604	618
Utah	--	5	--	5	--	31	129	160	165	173
Vermont	--	--	--	--	--	--	4	4	4	--
Washington	--	4	1	5	--	5	788	793	798	422
Wisconsin	--	3	--	3	--	40	2,600	2,640	2,643	1,356
Jersey										
Arizona	1	--	--	1	--	--	--	--	1	2
California	--	1	--	1	--	6	4	10	11	35
Connecticut	--	3	--	3	--	--	--	--	3	--
Maine	1	--	--	1	5	--	--	5	6	--
Missouri	--	--	--	--	--	--	26	26	26	--
New Jersey	--	1	--	1	--	--	--	--	1	1
New Mexico	--	--	--	--	--	--	1	1	1	--
Ohio	--	--	--	--	--	--	--	--	--	3
Pennsylvania	--	--	--	--	--	--	--	--	--	1
Texas	1	1	--	2	6	6	67	79	81	7
Vermont	--	--	--	--	2	1	--	3	3	--
Wisconsin	--	--	--	--	3	4	1	8	8	--
Total	50	60	24	134	232	275	8,600	9,107	9,241	7,077
Nicaragua:										
Brown Swiss										
Florida	--	--	--	--	--	--	--	--	--	2
New Jersey	1	1	--	2	1	--	--	1	3	--
Texas	--	--	--	--	--	--	--	--	--	3
Wisconsin	1	15	2	18	14	4	1	19	37	30
Guernsey										
Florida	--	--	--	--	--	--	--	--	--	1
Pennsylvania	--	1	--	1	--	--	--	--	1	--
Virginia	--	--	--	--	--	--	--	--	--	1
Wisconsin	--	--	--	--	--	--	--	--	--	5
Total	2	17	2	21	15	4	1	20	41	42
Okinawa:										
Holstein										
Missouri	--	1	--	1	--	--	--	--	1	--
Jersey										
Washington	--	--	--	--	--	--	--	--	--	14
Total	--	1	--	1	--	--	--	--	1	14
Panama:										
Brown Swiss										
Florida	8	9	2	19	--	3	5	8	27	6
Ohio	--	--	--	--	--	--	--	--	--	10
Texas	--	4	--	4	--	--	--	--	4	--
Wisconsin	--	--	--	--	--	--	--	--	--	2
Guernsey										
Florida	--	1	--	1	--	--	--	--	1	--
Texas	--	1	--	1	--	--	--	--	1	--
Holstein										
Florida	3	1	1	5	--	--	--	--	5	7
Illinois	--	--	1	1	--	--	--	--	1	--
Kentucky	--	--	1	1	--	--	--	--	1	--
Texas	2	1	--	3	1	1	--	2	5	--
Washington	--	--	2	2	--	--	--	--	2	--
Total	13	17	7	37	1	4	5	10	47	25
Paraguay:										
Holstein										
Louisiana	--	1	--	1	--	--	--	--	1	--
Washington	--	--	--	--	--	--	--	--	--	1
Jersey										
Connecticut	--	--	--	--	--	--	--	--	--	2
Maine	--	--	--	--	--	--	--	--	--	8
Massachusetts	--	--	--	--	--	--	--	--	--	5
New York	--	--	--	--	--	--	--	--	--	5
Rhode Island	--	--	--	--	--	--	--	--	--	3
Total	--	1	--	1	--	--	--	--	1	24
Peru:										
Brown Swiss										
Connecticut	--	--	--	--	11	--	--	11	11	--
Florida	--	--	--	--	--	--	--	--	--	10
New Hampshire	2	1	--	3	10	--	--	10	13	--
New Jersey	--	--	--	--	--	--	--	--	--	1
New York	--	--	--	--	--	--	--	--	--	14
Ohio	--	--	--	--	--	--	--	--	--	70
Texas	--	--	--	--	--	--	--	--	--	1
Wisconsin	--	--	--	--	--	--	--	--	--	125
Holstein										
California	--	--	--	--	--	--	--	--	--	22
Florida	2	--	--	2	--	--	--	--	2	--
Illinois	--	--	--	--	--	--	--	--	--	16
Indiana	--	1	--	1	--	--	--	--	1	--

Continued

Table 2.--Breeding cattle, dairy: Inspections for export from the United States, by destination, breed, state of origin, age, and sex, annual 1963 with comparisons-Cont'd.

Destination, breed, and state of origin	Male				Female				Total	
	Under 1 year	1 year and under 2 years	2 years and over	All ages	Under 1 year	1 year and under 2 years	2 years and over	All ages	Jan.-Dec. 1963	Jan.-Dec. 1962
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Peru: - Continued										
Holstein - Continued										
Michigan	--	--	2	2	--	--	2	2	4	--
Missouri	--	--	--	--	--	--	--	--	--	10
New York	--	--	--	--	--	--	--	--	--	4
Ohio	--	--	--	--	--	--	--	--	--	8
Texas	--	--	--	--	--	--	--	--	--	6
Wisconsin	--	--	--	--	--	--	--	--	--	75
Total	4	2	2	8	21	--	2	23	31	362
Philippines:										
Brown Swiss										
California	--	--	--	--	--	1	--	1	1	--
Iowa	--	7	--	7	--	11	--	11	18	--
Minnesota	--	10	1	11	--	113	26	139	150	--
South Dakota	--	1	--	1	--	3	--	3	4	--
Holstein										
Illinois	--	1	--	1	--	--	--	--	1	--
Jersey										
Iowa	--	1	--	1	--	--	--	--	1	--
Minnesota	--	2	--	2	--	17	--	17	19	--
Washington	--	--	--	--	--	--	--	--	--	3
Total	--	22	1	23	--	145	26	171	194	3
South Africa:										
Brown Swiss										
Louisiana	--	--	1	1	--	--	1	1	2	1
New Jersey	--	--	--	--	--	--	--	--	--	5
Wisconsin	--	--	--	--	--	--	--	--	--	2
Jersey										
New Jersey	--	--	1	1	--	2	1	3	4	3
Total	--	--	2	2	--	2	2	4	6	11
Venezuela:										
Brown Swiss										
Connecticut	18	--	--	18	--	--	--	--	18	--
Florida	1	4	--	5	--	5	81	86	91	25
Illinois	8	21	2	31	22	4	43	69	100	156
Kansas	3	--	--	3	--	--	--	--	3	--
Louisiana	--	--	--	--	--	--	--	--	--	15
Missouri	--	--	--	--	--	--	--	--	--	3
New Hampshire	--	--	--	--	--	--	--	--	--	36
New York	--	--	--	--	--	--	4	4	4	17
Ohio	13	5	4	22	4	9	93	106	128	45
Tennessee	1	--	--	1	--	--	--	--	1	--
Texas	11	17	4	32	1	1	14	16	48	70
Vermont	--	1	--	1	--	--	--	--	1	--
Wisconsin	--	2	10	12	--	--	--	--	12	5
Guernsey										
Pennsylvania	--	1	--	1	--	--	2	2	3	--
Holstein										
Arizona	11	1	2	14	21	30	--	51	65	34
Connecticut	32	--	--	32	--	--	--	--	32	--
Florida	4	--	1	5	6	--	14	20	25	--
Illinois	4	12	6	22	6	2	5	13	35	--
Kansas	44	8	10	62	3	6	5	14	76	--
Missouri	4	--	--	4	--	--	--	--	4	--
New York	--	--	--	--	--	--	6	6	6	--
Ohio	--	--	--	--	5	--	2	7	7	--
Tennessee	--	--	--	--	--	--	14	14	14	--
Texas	--	--	1	1	--	--	--	--	1	--
Wisconsin	10	21	1	32	1	--	38	39	71	--
Jersey										
Connecticut	--	--	--	--	--	1	1	2	2	--
Massachusetts	--	--	1	1	--	--	--	--	1	--
Ohio	--	--	--	--	--	--	--	--	--	2
Texas	--	--	--	--	--	--	--	--	--	1
Total	164	93	42	299	69	58	322	449	748	409
Grand Total	468	355	195	1,018	633	876	10,072	11,581	12,599	11,205

Table 3.--Dairy cattle for breeding: U. S. inspections for export and principal destinations

Destinations	1962 1/	1963
	Head	Head
Mexico	7,077	9,241
Canada	1,131	1,146
Venezuela	409	748
Dominican Republic	544	443
Philippines	3	194
Korea	994	122
Bahamas	83	110
Honduras	26	87
Japan	10	78
Panama	25	47
Colombia	67	42
Nicaragua	42	41
Peru	362	31
El Salvador	90	25
Argentina	7	23
Costa Rica	38	21
Guatemala	7	18
Italy	37	17
Br. West Indies	2	16
Bolivia	3	14
Finland	-	11
Ecuador	6	10
India	101	9
Jamaica	-	8
Republic of South Africa	11	6
Others	130	91
Total	11,205	12,599

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WORLD TRADE IN DAIRY PRODUCTS UP IN 1963

World commercial trade in all major dairy products in 1963 was considerably above the 1962 level. On a whole-milk equivalent (butterfat) basis, exports in 1963 totaled 41.9 billion pounds, up about 9 percent from the 38.5 billion pounds traded in 1962. Butter, dry whole milk, and cheese showed substantial trade increases in 1963, while canned milk (evaporated and condensed) showed only moderate increases. Trade in nonfat dried milk registered the sharpest increase. Shipments to the Netherlands, the United Kingdom, and Italy for general uses were largely responsible for the expansion in trade in nonfat.

New Zealand, Denmark, the Netherlands, Australia, and France continued as the major suppliers, followed by the United States which increased its commercial exports of all major dairy products. The United Kingdom retained its No. 1 position as the world's largest market for dairy products.

In 1964, world trade in dairy products generally is expected to be about the same as in 1963. In the first half of 1964, milk production in major surplus producing countries was reported to be running only slightly above a year earlier. During this same period, a decline in output was reported in the United Kingdom, the principal dairy-deficit or importing country.

Butter trade up significantly

World exports of butter from the major supplying countries in 1963 were up 11 percent from 1962. Increased exports to the United Kingdom and Italy were principally responsible for the higher level of butter trade.

New Zealand, Denmark, and Australia were again the principal exporters of butter, accounting for a total of 65 percent of total world shipments, or 31, 18, and 16 percent respectively. France ranked as the fourth major supplier. For the first time in several years the United States re-entered the export market as an important supplier. U. S. commercial exports, mostly to Western Europe, increased substantially. A shortfall in domestic production in the United Kingdom and in several European countries which are important suppliers to the U. K., created an unusual demand situation. To fulfill their authorized quotas in the U. K. and maintain relatively stable butter prices in their domestic markets, some European countries imported sizeable quantities of butter from the U. S.

The United Kingdom, West Germany, and Italy, the three most important world markets for butter, accounted for 83 percent of all butter imports. These markets are still subject to import quotas or other nontariff restrictions which normally limit possibilities of the nonquota countries, such as the United States, from expanding butter exports.

In 1964, world butter trade is expected to increase slightly as imports into the United Kingdom are expected to be larger than in 1963. The United Kingdom's import quotas for the marketing year beginning April 1, 1964, were set originally at 941 million pounds. Since that time the Board of Trade has authorized additional quotas to several suppliers, including a 15,000-ton authorization to North America. The bulk of this quota will be filled by Canada but U. S. suppliers have moved some butter into the U. K. under this authorization. Total imports into the United Kingdom during the current year are now expected to total around 986 million pounds.

Cheese

World cheese trade in 1963 increased 58 million pounds, or 5.4 percent, over 1962. Western Europe, as a whole, continued to be the major market, accounting for 80 percent of total trade, with the United Kingdom taking 27 percent of the total trade, followed by West Germany and Italy, with 25 and 12 percent respectively. The United States was the fourth largest market for cheese in 1963, accounting for 7 percent of the total import trade.

The Netherlands was again the leading cheese exporter, supplying 259 million pounds or 23 percent of the volume moving in world trade. New Zealand, and Denmark ranked as No. 2 and 3 suppliers, accounting for 17 and 15 percent respectively. In 1963 Dutch exports were slightly above the level of the previous year, while exports from Denmark and New Zealand declined moderately. France, the fourth largest supplier, registered sizeable increases in shipments to Western Europe, especially to West Germany and Italy.

World cheese trade for 1964 is expected to increase moderately over the previous year's level as imports into Western Europe and the United States are likely to remain at about the high level of 1963.

Dry whole milk

Trade in dry whole milk totaled 269 million pounds in 1963, up 7 percent from 1962. The Netherlands remained the leading exporter, accounting for 27 percent of the total, followed closely by Denmark, which accounted for 24 percent. Dutch and Danish exports declined slightly in 1963 but were more than offset by increased shipments from minor suppliers such as Ireland, Austria, and the United States.

Venezuela, despite a decline of 10 percent from the 1962 level of imports, remained the indisputable major world market for this product, taking 24 percent of total exports. Asian imports declined about 2 percent, while imports into Africa were up 37 percent from 1962. The United Kingdom, the second largest market, continued to increase its imports by taking 39 million pounds, or 14.5 percent of total exports.

Exports of dry whole milk in 1964 may be down slightly from 1963. Demand in Africa and Asia should remain strong, but shipments to Western Europe and Venezuela are expected to decline somewhat as prospective supplies of fresh milk from domestic production are expected to be slightly larger than in the previous year.

Nonfat dry milk

World commercial trade in nonfat dry milk increased substantially to 681 million pounds, up almost 200 million, or 41 percent from 1962. This higher level of trade in 1963 was for the most part attributable to increased commercial exports from the U. S. to Western Europe, where demand for nonfat powder appears to be on the uptrend.

The United States replaced France as the leading exporter of nonfat in 1963 when it increased its exports 142 percent to 284 million pounds. U. S. commercial shipments under special export programs were largely responsible for the dramatic rise in U. S. exports. France, the second largest supplier in 1963, increased its exports 16 percent from the 1962 level to 180 million pounds, principally to other EEC member countries, such as the Netherlands and Italy. New Zealand, the third largest exporter, also upped its shipments to 121 million pounds, 42 percent above 1962. Among the minor suppliers, Canada experienced the greatest increase -- up 56 percent from 1962 -- while the United Kingdom's exports declined substantially to 26 million pounds, down 45 percent.

The Netherlands became the largest market for nonfat in 1963, importing 107 million pounds, 3½ times the amount imported in 1962. The United Kingdom increased its imports to 92 million, up 44 percent, and Italy tripled its imports from the 1962 level to 71 million pounds.

Mexico remained the largest market in Latin America and increased its imports to 21 million pounds, up 4 million from 1962. On the Asiatic continent, Japan and the Philippines also took more nonfat in 1963, while India, the third largest market, experienced a moderate decline. The African continent as a whole upped imports by 20 percent to 34 million pounds.

In 1964, total commercial trade in nonfat dry milk is expected to be near the high level of 1963. Continued demand for this product in Western Europe, coupled with an expected strong demand in the developing countries of Asia, Africa, and Latin America for an economical supplement to low protein diets will hold aggregate demand at approximately the 1963 level.

Evaporated whole milk

Trade in evaporated whole milk in 1963 was up by 23 million pounds, or 5 percent over a year earlier. With the exception of the North American area, where imports declined slightly, trade in other areas showed moderate increases.

The Netherlands, the leading supplier, increased its exports 6 percent to 324 million pounds, with shipments to the Philippines accounting for the largest part of this gain. The United States, the second major supplier, increased exports to 73 million, up 10 percent from 1962. Shipments under Title I rose by about 35 million pounds, more than offsetting the 32 million pound decline recorded in U. S. exports to the Philippines. World trade in evaporated whole milk in 1964 is not expected to change significantly from the 1963 level.

Imports into the Philippines, the leading world market, registered a 20-percent decline from 1962. Output of domestically produced filled milk was largely responsible for the decline. Other important markets, such as West Germany, Algeria, Peru, and Thailand also took less, while imports into Greece, Mexico, Hong Kong, Burma, and the United Kingdom increased moderately. India experienced the sharpest increases in imports of evaporated milk in 1963, importing 32.5 million pounds, more than double the level of 1962. Shipments originating in the United States under Title I, P. L. 480, were largely responsible for this sharp rise in Indian imports.

Condensed whole milk

World exports of condensed whole milk in 1963, at 629 million pounds, were up 2 percent from 1962.

Exports from the Netherlands, the leading supplier, declined 8 percent from the previous year, but total Dutch exports at 336 million pounds represented 54 percent of the total volume of trade. Other important exporters such as France, Australia, the United Kingdom, and the United States registered small increases, while Danish exports declined substantially in 1963.

Although imports into Malaya and Singapore declined 2 percent to 140 million pounds, these countries remained the largest markets for condensed milk. Thailand increased its imports, taking 91 million pounds -- 1 percent more than in 1962. Burma and Viet-Nam, the third and fourth largest world markets, experienced moderate declines.

Present indications are that world trade in condensed whole milk in 1964 will not change significantly from 1963.

Table 1. (Attached)

Table 1.--Butter 1/:Exports of major supplying countries, by destination, 1962, 1963 2/

Destination	Argentina		Australia		Denmark		Finland		France		Netherlands		New Zealand		United States3/		Other		Total	
	1962	1963	1962	1963	1962	1963	1962	1963 4/	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:																				
Belgium-Luxembourg	--	--	--	--	0.1	0.1	--	--	--	--	0.3	1.9	--	--	--	9.9	--	--	0.4	11.9
France	5/	5/	--	0.9	0.3	3.7	--	--	--	--	1.1	2.9	--	--	--	5/	0.4	0.7	1.8	8.2
Germany, West	0.2	0.1	3.8	1.2	18.3	10.0	1.6	1.9	20.6	18.1	18.5	11.3	1.8	7.6	1.2	6.2	20.7	12.3	86.7	68.7
Italy	--	5/	2.3	2.6	3.8	2.2	5/	5/	1.2	22.9	7.5	8.3	--	0.1	--	16.6	18.0	17.2	32.8	69.9
Switzerland	--	--	--	--	3.2	0.5	--	0.8	0.8	1.1	0.5	0.1	--	--	--	2.0	2.7	2.6	7.2	7.1
United Kingdom	21.4	24.3	135.1	177.2	213.7	201.2	20.8	31.9	3.8	12.8	32.6	32.8	347.5	357.3	0.1	1.2	91.7	87.4	866.7	926.1
Others	0.2	0.1	5/	5/	0.9	0.5	--	--	2.1	2.3	1.1	0.6	5/	--	--	6/ 5.5	2.2	1.2	6.5	10.2
Total	21.[illegible]	24.5	141.2	181.9	240.3	218.2	22.4	34.6	28.4	57.2	61.6	57.9	349.3	365.0	1.3	41.4	135.7	121.4	1,002.1	1,102.1
Eastern Europe:																				
Czechoslovakia	--	--	--	--	2.6	1.3	--	--	--	--	--	--	--	--	--	--	--	0.1	2.6	1.4
Germany, East	--	--	--	--	--	--	--	--	0.4	--	1.5	--	--	--	--	--	--	--	1.9	--
Others	--	--	--	--	1.4	--	--	--	7/ 8.8	2.9	0.1	8/ 7.1	--	--	--	7.4	--	5/	10.3	17.4
Total	--	--	--	--	4.0	1.3	--	--	9.2	2.9	1.6	7.1	--	--	--	7.4	--	0.1	14.8	18.8
North America:																				
Br. West Indies	--	--	0.5	0.5	0.1	0.1	--	--	--	--	--	5/	2.9	2.9	--	5/	0.5	1.2	4.0	4.7
Netherlands W.I.	5/	5/	0.2	0.2	0.1	0.1	--	--	--	--	0.3	0.3	0.5	0.6	--	--	--	--	1.1	1.2
Panama	--	--	--	5/	--	0.1	--	--	--	--	--	--	2.0	1.9	0.1	0.2	--	--	2.1	2.2
United States	--	--	--	0.1	0.5	0.1	0.1	5/	--	--	0.2	--	1.2	1.4	--	--	--	--	2.0	1.6
Jamaica	--	--	0.2	0.1	--	5/	--	--	--	--	--	--	5.7	5.5	--	1.2	--	--	5.9	6.8
Others	--	5/	0.2	0.1	0.4	0.3	--	--	--	1.2	0.9	9/ 2.8	1.2	2.0	0.5	1.0	--	--	3.2	7.4
Total	--	--	1.1	1.0	1.1	0.7	0.1	--	--	1.2	1.4	3.1	13.5	14.3	0.6	2.4	0.5	1.2	18.3	23.9
South America:																				
Peru	0.8	0.1	1.4	2.3	0.6	0.5	--	--	--	1.6	0.1	0.1	4.9	3.1	0.8	3.0	--	0.2	8.6	10.9
Venezuela	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chile	0.4	4.3	--	--	--	--	--	--	2.8	--	1.4	8.6	--	--	1.1	3.3	3.3	--	9.0	16.2
Others	--	--	0.3	0.4	0.3	0.1	--	--	--	0.1	0.8	0.5	0.3	0.4	0.1	0.2	--	0.2	1.8	1.9
Total	1.2	4.4	1.7	2.7	0.9	0.6	--	--	2.8	1.7	2.3	9.2	5.2	3.5	2.0	6.5	3.3	0.4	19.4	29.0
Asia:																				
Lebanon	--	--	5/	0.1	1.3	1.3	--	--	--	0.9	0.2	1.1	--	--	--	0.2	--	--	1.5	3.6
Ceylon	--	--	2.8	3.1	--	--	--	--	--	--	--	--	1.0	0.4	--	--	--	--	3.8	3.5
Hong Kong	--	--	2.5	3.5	0.1	0.1	--	--	--	--	5/	5/	0.7	0.9	0.2	0.2	--	--	3.5	4.7
Malaya & Singapore	--	--	7.0	6.2	0.1	0.1	--	--	--	--	0.1	0.1	2.4	2.6	--	5/	--	--	9.6	9.0
Philippines	--	--	0.5	0.1	--	5/	--	--	--	--	--	--	1.4	1.2	5/	3.8	--	--	1.9	5.1
Others	--	--	3.8	3.5	2.0	1.8	--	--	--	1.2	1.3	2.3	1.0	0.5	5.5	8.6	--	--	13.6	17.9
Total	--	--	16.6	16.5	3.5	3.3	--	--	--	2.1	1.6	3.5	6.5	5.6	5.7	12.8	--	--	33.9	43.8
Africa:																				
Rep. of Ivory Coast	--	--	--	--	--	--	--	--	0.7	1.0	0.3	0.2	--	--	--	--	--	--	1.0	1.2
Rep. of Madagascar	--	--	--	--	--	--	--	--	0.4	0.7	0.3	0.2	--	--	--	--	--	--	0.7	0.9
Algeria	--	--	--	--	0.1	--	--	--	17.2	15.4	--	--	--	--	--	--	--	--	17.3	15.4
Rep. of the Congo	--	--	--	--	0.1	0.1	--	--	--	0.1	0.1	0.1	--	--	--	1.4	--	0.3	0.2	2.0
Rep. of Senegal	--	--	--	--	0.1	--	--	--	0.8	0.8	0.3	0.4	--	--	--	--	--	--	1.2	1.2
Morocco	--	--	--	--	1.6	0.8	--	--	1.6	3.5	1.2	6.8	--	--	0.1	--	3.9	2.5	8.4	13.6
Tunisia	--	--	--	--	0.2	0.1	--	--	1.4	1.3	0.1	--	--	--	10/	--	--	--	1.7	1.4
Rep. of S. Africa	--	0.2	0.1	5/	--	--	--	--	--	5/	--	--	--	--	--	--	--	--	0.1	0.2
Others	--	--	1.0	1.0	0.8	0.6	--	--	--	1.5	0.9	0.9	0.4	0.9	--	0.4	--	--	3.1	5.3
Total	--	0.2	1.1	1.0	2.9	1.6	--	--	22.1	24.3	3.2	8.6	0.4	0.9	0.1	1.8	3.9	2.8	33.7	41.2
All others	--	--	4.2	7.6	0.2	--	--	1.4	4.2	0.3	1.1	0.3	4.2	1.6	0.8	0.1	14.7	9.3	29.4	20.6
Grand Total	23.0	29.1	165.9	210.7	252.9	225.7	22.5	36.0	66.8	89.7	72.8	89.7	379.1	390.9	10.5	72.4	158.1	135.2	1,151.6	1,279.4

1/ Includes butter equivalent of anhydrous butterfat, butteroil and ghee. 2/ Preliminary. 3/ Exclusive of donations under Public Law 480. 4/ Breakdown by country of destination from importing countries. Export data show only the total figure. 5/ Less than 50,000 pounds. 6/ Of which 5.3 million pounds were exported to the Netherlands. 7/ All to Hungary. 8/ Mostly to Poland. 9/ All to Cuba. 10/ Revised; quantity previously reported as commercial exports shipped under donation programs.

Table 2. (Attached)

Table 2.--Cheese: Exports of major supplying countries, by destination, 1962 and 1963 1/

Destination	Australia		Denmark		Finland		France		Italy		Netherlands		New Zealand		Switzerland		United States 2/		Others		Total	
	1962	1963	1962	1963	1962	1963 3/	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963
	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.	Mil. Lbs.
Western Europe:																						
Austria	--	--	2.6	2.6	5.2	1.6	--	0.4	0.5	--	1.8	2.6	--	--	0.1	0.1	--	--	0.7	0.9	10.9	8.2
Belgium-Luxembourg	0.5	0.2	3.1	2.7	4.4	3.5	7.0	7.9	1.4	1.3	44.2	41.5	--	--	5.4	5.8	4/	4/	6.3	6.4	72.3	69.3
France	--	--	1.1	2.8	2.0	2.3	--	--	7.0	6.5	10.9	8.5	--	--	12.3	12.9	4/	--	6.0	4.8	39.3	37.8
Germany, West	1.1	1.7	86.9	86.2	5.3	5.4	18.6	30.7	2.2	2.1	118.4	121.7	1.6	5.9	7.1	7.6	4/	4/	20.4	21.1	261.6	282.4
Greece	--	4/	0.3	0.3	0.2	0.1	--	--	0.9	0.5	0.3	0.6	--	--	0.1	0.1	--	--	0.2	0.3	2.0	1.9
Italy	0.5	3.3	16.0	13.7	7.3	9.0	7.1	23.2	--	--	3.2	4.5	--	0.9	25.6	27.3	--	2.4	48.9	55.1	108.6	139.4
Spain	--	4/	0.1	0.2	0.1	--	--	1.1	4/	4/	2.2	10.7	--	--	0.1	0.1	--	--	0.2	1.4	2.7	13.5
Sweden	--	--	9.2	9.2	1.7	2.0	--	0.1	0.3	0.3	5.4	4.3	--	--	0.9	0.9	--	--	0.4	0.9	17.9	17.7
Switzerland	--	4/	2.1	3.1	--	--	3.9	5.6	9.5	9.5	2.6	2.9	--	--	--	--	--	--	1.3	2.1	19.4	23.2
United Kingdom	38.8	33.8	20.7	22.2	1.3	1.1	3.6	3.9	3.2	3.2	19.0	22.8	182.6	171.1	2.3	2.1	0.8	0.4	42.5	47.9	314.8	308.5
Others	1.0	3.3	0.4	0.6	0.1	--	0.2	0.7	1.1	1.0	0.8	1.7	4/	0.1	0.9	1.0	--	--	1.7	2.0	6.2	10.4
Total	41.9	42.3	142.5	143.6	27.6	25.0	40.4	73.6	26.1	24.4	208.8	221.8	184.2	178.0	54.8	57.9	0.8	2.8	128.6	142.9	855.7	912.3
Eastern Europe:																						
Czechoslovakia	--	--	4/	0.1	0.1	--	--	--	4/	--	--	0.4	--	--	0.1	0.2	--	--	--	4/	0.2	0.7
Germany, East	--	--	4.9	3.3	2.1	--	--	4/	--	--	--	0.7	--	--	--	--	--	--	1.9	2.1	8.9	6.1
Others	--	--	5/ 8.8	5/ 4.1	0.1	--	--	--	4/	0.1	--	--	--	--	0.4	4/	--	--	--	0.2	9.3	4.4
Total	--	--	13.7	7.5	2.3	--	--	--	--	0.1	--	1.1	--	--	0.5	0.2	--	--	1.9	2.3	18.4	11.2
North America:																						
British West Indies	0.3	1.0	4/	4/	0.1	--	--	--	--	--	0.5	0.7	4.6	5.4	4/	4/	0.1	0.1	0.2	0.3	5.8	7.5
Canada	--	4/	3.2	3.3	0.2	0.5	0.8	0.9	3.4	3.5	2.0	2.1	4/	4/	2.0	2.0	1.4	1.0	0.7	0.7	13.7	14.0
Mexico	--	--	4/	4/	--	--	--	--	4/	4/	0.4	0.3	--	--	4/	0.1	0.1	4/	--	--	0.5	0.4
Netherlands West Indies	--	--	0.1	4/	--	--	--	--	--	4/	1.2	1.2	--	0.7	--	4/	0.2	0.2	--	--	1.5	2.1
United States	3.4	6.2	9.9	10.1	2.4	2.7	3.1	3.0	23.9	23.6	5.2	5.6	10.2	9.9	10.6	10.4	--	--	8.2	10.7	76.9	82.2
Others	0.2	0.1	0.2	0.2	0.1	--	1.0	1.4	0.1	0.1	1.0	1.9	0.2	0.2	0.2	0.1	1.8	2.8	0.2	0.4	5.0	7.2
Total	3.9	7.3	13.4	13.6	2.8	3.2	4.9	5.3	27.4	27.2	10.3	11.8	15.0	16.2	12.8	12.6	3.6	4.1	9.3	12.1	103.4	113.4
South America:																						
Peru	4/	--	0.6	0.7	0.2	--	--	--	0.1	0.1	0.2	0.2	4/	4/	4/	0.1	0.1	0.1	0.7	0.6	1.9	1.8
Venezuela	--	--	4.1	2.5	0.3	--	--	4/	1.0	0.8	2.7	1.9	--	--	0.1	0.1	1.5	0.8	3.5	4.0	13.2	10.1
Others	--	0.1	4/	4/	4/	--	--	0.1	4/	4/	1.3	1.2	0.5	0.4	4/	4/	4/	4/	0.1	0.1	1.9	1.9
Total	--	0.1	4.7	3.2	0.5	--	--	0.1	1.1	0.9	4.2	3.3	0.5	0.4	0.1	0.2	1.6	0.9	4.3	4.7	17.0	13.8
Asia:																						
Japan	3.1	5.9	0.5	1.5	4/	--	--	4/	0.3	0.3	2.8	2.2	2.1	2.8	4/	4/	0.1	0.1	2.1	3.3	11.0	16.1
Lebanon	0.1	0.1	0.2	0.1	0.2	--	--	--	0.1	0.1	1.3	1.7	--	--	4/	0.1	--	4/	0.8	0.8	2.7	2.9
Malaya and Singapore	0.7	0.7	--	--	--	--	--	--	4/	4/	0.2	0.2	0.3	0.2	0.1	0.1	--	4/	--	--	1.3	1.2
Philippines	1.1	3.3	--	--	--	--	--	--	--	--	1.7	1.5	0.1	4/	4/	4/	0.1	0.1	0.1	--	3.1	4.9
Turkey	--	--	--	--	--	--	--	--	--	--	--	--	4/	--	--	--	--	--	--	--	--	--
Others	5.1	6.6	0.1	0.1	0.1	--	--	0.4	0.2	0.2	2.8	3.4	0.1	0.1	0.1	0.1	0.4	0.9	0.1	0.8	9.0	12.6
Total	10.1	16.6	0.8	1.7	0.3	--	--	0.4	0.6	0.6	8.8	9.0	2.6	3.1	0.2	0.3	0.6	1.1	3.1	4.9	27.1	37.7
Africa:																						
Algeria	--	--	0.2	0.2	1.1	--	24.2	11.7	0.2	0.1	0.7	0.7	--	--	0.1	0.5	--	--	0.3	0.2	26.8	13.4
Republic of Congo	--	4/	4/	--	0.1	--	--	--	4/	4/	0.3	0.2	--	--	4/	4/	--	0.5	--	0.1	0.4	0.8
United Arab Republic	--	4/	--	--	--	--	--	--	4/	4/	0.1	0.1	4/	4/	--	4/	--	--	--	--	0.1	0.1
Republic of Ivory Coast	--	--	--	--	--	--	0.9	1.0	--	4/	4/	4/	--	--	--	--	--	--	--	--	0.9	1.0
Republic of Senegal	--	--	--	--	4/	--	1.2	1.3	--	4/	4/	0.1	--	--	--	--	--	--	--	0.1	1.2	1.5
Republic of Madagascar	--	--	--	--	--	--	0.9	0.8	--	--	4/	0.1	--	--	4/	4/	--	--	--	--	0.9	0.9
Morocco	--	--	0.3	0.3	1.8	--	1.6	1.7	4/	0.1	0.7	1.2	--	--	4/	4/	--	--	--	0.3	4.7	3.6
Tunisia	--	--	4/	4/	0.6	--	0.8	0.8	4/	0.1	0.8	0.4	--	--	4/	--	--	--	0.3	--	2.2	1.3
Others	0.7	0.7	0.4	0.5	4/	--	0.2	1.9	1.5	1.1	1.7	3.0	1.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	6.2	7.9
Total	0.7	0.7	0.9	1.0	3.6	--	29.8	19.2	1.7	1.4	4.3	5.8	1.2	0.2	0.3	0.7	0.1	0.7	0.8	0.8	43.4	30.5
Oceania:	0.3	0.4	1.7	1.8	0.1	--	--	0.3	1.3	1.1	0.7	0.9	0.5	0.7	0.3	0.3	--	--	0.1	0.1	5.0	5.6
All others	0.4	0.4	1.9	1.6	--	8.3	4.7	1.4	0.6	0.8	3.6	5.4	2.7	--	0.3	0.2	0.3	0.2	2.3	2.3	16.8	20.6
Grand Total	57.3	67.8	179.6	174.0	37.2	36.5	79.8	100.3	58.8	56.5	240.7	259.1	206.7	198.6	69.3	72.4	7.0	9.8	150.4	170.1	1,086.8	1,145.1

1/ Preliminary. 2/ Exclusive of donation under Public Law 480. 3/ Breakdown by country of destination from importing countries. Export data show only the total. 4/ Less than 50,000 pounds.
5/ Mostly to Russia.

Table 3. (Attached)

Table 3.--Dry whole milk: Exports of major supplying countries, by destination, 1962 and 1963 *

Destination	Australia		Canada		Denmark		Netherlands		United States		Other 1/		Total	
	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:														
Belgium-Luxembourg	--	--	--	--	--	2/	1.1	0.8	2/	1.3	--	--	1.1	2.1
France	--	--	--	--	0.6	1.3	0.8	1.9	2/	--	--	--	1.4	3.2
Germany, West	--	--	--	--	2.5	1.6	3.4	3.8	2/	2/	9.7	7.7	15.6	13.1
Greece	--	--	2/	--	--	2/	1.1	0.4	2/	--	--	--	1.1	0.4
Switzerland	--	--	--	--	0.1	2/	2/	0.5	0.3	0.8	2.7	2.8	3.1	4.1
United Kingdom	0.9	0.7	--	--	2.8	1.5	7.8	0.9	2/	2/	23.3	35.8	34.8	38.9
Others	--	2/	--	--	3/ 1.6	0.1	0.2	3/ 2.2	1.9	9.0	--	2.2	3.7	13.5
Total	0.9	0.7	--	--	7.6	4.5	14.4	10.5	2.2	11.1	35.7	48.5	60.8	75.3
Eastern Europe:	--	--	--	--	4/ 1.1	4/ 3.6	--	--	--	5/ 1.1	--	--	1.1	4.7
North America:														
British West Indies	2/	2/	0.1	0.3	2.4	1.2	2.2	2.1	2/	2/	3.0	4.4	7.7	8.0
Costa Rica	--	--	2/	2/	--	2/	2/	--	--	--	--	--	--	--
El Salvador	--	--	--	--	2.0	2.1	3.9	4.4	2/	2/	--	--	5.9	6.5
Guatemala	--	--	--	--	1.7	2.7	0.8	0.8	2/	2/	--	--	2.5	3.5
Honduras	--	--	--	--	0.9	1.8	0.5	0.7	2/	2/	--	--	1.4	2.5
Netherlands West Indies	--	--	2/	--	--	0.2	1.8	1.9	2/	2/	--	--	1.8	2.1
Others	0.1	0.1	2/	0.1	1.6	1.5	1.5	1.5	1.2	1.2	0.1	--	4.5	4.4
Total	0.1	0.1	0.1	0.4	8.6	9.5	10.7	11.4	1.2	1.2	3.1	4.4	23.8	27.0
South America:														
Brazil	--	--	--	--	2.5	0.6	--	--	--	--	--	--	2.5	0.6
Peru	--	--	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1	--	--	0.6	0.7
Venezuela	--	--	19.7	15.8	18.7	16.4	18.8	17.9	6.4	4.5	8.1	10.0	71.6	64.6
Chile	--	--	--	--	3.5	0.6	0.7	0.6	--	--	--	0.1	4.2	1.3
Others	--	--	--	2/	1.6	1.0	2.1	0.9	2/	0.6	--	--	3.7	2.5
Total	--	--	20.0	16.2	26.4	18.7	21.7	19.5	6.5	5.2	8.1	10.1	82.7	69.7
Asia:														
Aden	2/	2/	--	--	0.7	0.9	0.4	0.3	--	--	--	--	1.1	1.2
Ceylon	4.3	1.5	--	--	2.0	2.6	1.7	0.5	2/	2/	--	0.1	8.0	4.7
Hong Kong	0.5	0.5	--	--	--	0.1	0.7	0.4	2/	2/	0.1	0.2	1.3	1.2
India	0.3	0.1	--	--	0.2	0.3	0.3	0.2	2/	0.7	0.1	0.1	0.9	1.4
Indonesia	0.2	0.4	--	--	3.2	1.6	--	--	2/	2/	--	--	3.4	2.0
Lebanon	--	--	--	--	1.6	2.1	4.1	3.4	--	2/	--	--	5.7	5.5
Malaya and Singapore	4.6	3.8	--	--	3.8	5.1	1.9	1.9	--	2/	1.0	1.5	11.3	12.3
Philippines	0.2	0.1	--	--	1.3	0.8	0.4	0.8	2/	2/	--	--	1.9	1.7
Saudi Arabia	--	--	--	--	0.6	1.1	2.5	2.9	--	--	--	--	3.1	4.0
Taiwan	0.1	0.3	--	0.5	0.4	0.6	3.9	3.0	--	--	--	--	4.4	4.4
Thailand	0.2	0.3	--	--	1.3	1.7	0.5	0.4	2/	2/	0.2	0.3	2.2	2.7
Others	1.0	1.2	2/	2/	3.2	5.0	6.1	5.3	0.8	0.7	0.1	0.3	11.2	12.5
Total	11.4	8.2	--	0.5	18.3	21.9	22.5	19.1	0.8	1.4	1.5	2.5	54.5	53.6
Africa:														
Republic of Congo	--	--	--	--	0.5	0.1	0.2	0.1	2.6	9.1	--	--	3.3	9.3
Morocco	--	--	--	--	0.2	0.2	0.3	0.4	0.1	0.1	0.1	--	0.7	0.7
Rhodesia and Nyasaland	0.4	0.2	--	--	--	--	0.1	0.1	2/	--	--	--	0.5	0.3
Sudan	--	--	--	--	0.2	0.3	2.3	1.7	--	--	--	0.3	2.5	2.3
Others	1.4	1.2	--	--	3.2	5.0	5.1	3.8	2/	0.4	0.1	0.1	9.8	10.5
Total	1.8	1.4	--	--	4.1	5.6	8.0	6.1	2.7	9.6	0.2	0.4	16.8	23.1
Oceania:	1.6	2.3	0.1	--	--	--	--	--	--	--	0.4	0.6	2.1	2.9
All others	--	0.2	--	--	1.8	1.4	6.4	6.9	0.1	0.2	0.7	3.9	9.0	12.6
Grand Total	15.8	12.9	20.2	17.1	67.9	65.2	83.7	73.5	13.5	29.8	49.7	70.4	250.8	268.9

1/ Exports from other important suppliers which can be identified as dry whole milk. 2/ Less than 50,000 pounds. 3/ Mostly to Spain. 4/ All to Russia. 5/ All to Yugoslavia. * Preliminary.

Table 4.--Nonfat dry milk: Exports of major supplying countries, 1962 and 1963 1/

Destination	Australia		Canada		France 2/		United Kingdom		New Zealand		United States 3/		Others		Total	
	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:																
Austria	--	--	0.3	0.5	--	0.2	--	--	--	--	--	2.7	--	--	0.3	3.4
Belgium-Luxembourg	--	--	--	2.3	1.9	12.2	2.2	1.8	--	--	0.5	7.8	--	--	4.6	24.1
Denmark	--	--	1.8	5.0	3.9	8.0	4.2	0.1	--	--	0.1	13.3	--	--	10.0	26.4
Germany, West	--	--	--	--	20.7	14.3	1.3	0.1	--	0.2	0.2	2.7	0.5	--	22.7	17.3
Greece	--	--	0.4	0.6	2.8	1.8	--	0.1	--	4/	0.1	--	--	--	3.3	2.5
Netherlands	--	--	0.2	8.2	24.4	45.0	3.3	4.2	0.4	0.7	1.9	48.4	--	--	30.2	106.5
United Kingdom	1.5	5.1	--	--	15.2	16.2	--	--	39.8	67.3	--	4/	7.0	2.9	63.5	91.5
Switzerland	0.2	--	2.2	1.3	8.8	5.4	21.2	8.7	--	--	4.1	6.8	--	--	36.5	22.2
Italy	--	--	7.3	2.6	18.3	46.1	5.8	3.4	--	--	2.5	19.0	0.1	--	21.5	71.1
Others	3.3	--	0.6	5/ 3.6	8.6	6.0	1.5	0.7	--	0.1	6.2	5.2	1.6	--	28.2	15.6
Total	5.0	5.1	12.8	24.1	104.6	155.2	39.5	19.1	40.2	68.3	15.6	105.9	9.2	2.9	220.8	380.6
North America:																
British West Indies	4/	0.1	2.1	3.8	--	--	0.4	0.6	1.7	1.5	0.1	--	--	--	4.3	6.0
Canada	--	0.1	--	--	--	--	--	--	--	--	0.1	8.2	--	--	0.1	8.3
Jamaica	4/	1.5	2.1	1.6	--	--	0.2	--	6.7	5.0	0.2	--	--	--	9.2	8.1
Mexico	--	--	0.2	0.2	--	--	--	--	--	--	17.2	21.2	--	--	17.4	21.4
United States	1.2	1.1	0.3	0.6	--	1.0	--	4/	--	--	--	--	--	--	1.5	2.7
Others	4/	4/	6/ 11.7	6/ 12.1	0.9	1.1	--	--	4/	4/	2.6	1.5	0.1	--	15.3	14.7
Total	1.2	2.8	16.4	18.3	0.9	2.1	0.6	0.6	8.4	6.5	20.2	30.9	0.1	--	47.8	61.2
South America:																
Peru	--	4/	0.3	0.2	--	--	--	--	4.6	6.3	3.7	1.2	--	--	8.6	7.7
Venezuela	--	--	2.6	2.5	--	--	--	--	--	--	3.0	3.1	--	--	5.6	5.6
Others	4/	--	0.9	1.7	1.5	--	0.1	0.1	0.1	4/	3.4	8.2	0.1	--	6.1	10.0
Total	--	--	3.8	4.4	1.5	--	0.1	0.1	4.7	6.3	10.1	12.5	0.1	--	20.3	23.3
Asia:																
Ceylon	0.2	0.2	4/	--	--	--	0.5	0.4	0.3	0.2	--	--	--	--	1.0	0.8
Hong Kong	0.4	1.2	0.9	4/	--	--	0.6	0.4	1.6	0.7	3.9	4.0	--	--	7.4	6.3
India	20.3	15.1	0.3	0.1	--	--	0.5	0.1	3.9	4.5	--	1.0	--	--	25.0	20.8
Israel	--	--	--	--	--	--	--	--	--	--	7.9	10.7	--	--	7.9	10.7
Japan	4.3	1.4	0.6	1.1	--	--	--	--	2.9	6.1	4.4	15.1	--	--	12.2	23.7
Malaya & Singapore	3.2	2.7	--	--	--	--	0.4	0.3	3.9	7.3	0.3	2.0	--	--	7.8	12.3
Philippines	1.0	7.8	--	--	--	--	4/	4/	13.1	12.6	19.7	21.0	--	--	33.8	41.4
Others	3.7	2.4	0.6	2.6	--	1.9	1.8	1.6	2.7	2.6	10.8	20.7	0.2	0.1	20.4	31.9
Total	33.1	30.8	2.4	3.8	--	1.9	3.8	2.8	28.4	34.0	47.0	74.5	0.2	0.1	115.5	147.9
Africa:																
Mauritius	1.7	2.0	--	4/	--	--	0.2	0.2	0.8	--	--	--	--	--	2.7	2.2
Rhodesia & Nyasaland	2.8	1.8	--	2.1	--	--	0.1	0.1	0.2	4/	0.1	0.1	--	--	3.2	4.1
Republic of Congo	--	4/	0.1	0.1	--	--	--	--	--	--	1.4	5.4	0.1	--	1.6	5.5
Algeria	--	--	--	0.5	5.9	4.0	--	4/	--	--	--	--	0.1	--	6.0	4.5
Others	1.0	2.5	0.1	0.5	6.1	6.6	3.3	2.5	1.1	2.6	2.3	3.0	0.7	0.3	14.9	18.0
Total	5.5	6.3	0.2	3.2	12.0	10.6	3.6	2.8	2.1	2.6	3.8	8.5	0.9	0.3	28.4	34.3
All others	0.8	1.0	0.1	1.8	7/ 35.0	7/ 9.9	0.1	0.8	1.4	3.4	5.9	8/ 16.1	0.2	0.5	49.0	33.5
Grand Total	45.6	46.0	35.7	55.6	154.3	179.7	47.7	26.2	85.2	121.1	102.6	248.4	10.7	3.8	481.8	680.8

1/ Preliminary. 2/ Export data does not show a breakdown of dried milk by types. It is estimated that about 80 to 90 percent of total exports is nonfat. 3/ Exclusive of donation shipments made under P. L. 480 and concessional sale for special use. 4/ Less than 50,000 pounds. 5/ All to Spain. 6/ Mostly to Cuba. 7/ Mostly to Eastern Europe, principally to Hungary and Yugoslavia. 8/ Practically all to Yugoslavia.

Table 5. (Attached)

Table 5.--Evaporated whole milk: Exports of major supplying countries by destination, 1962 and 1963 1/

Destination	Denmark		France		Netherlands		United Kingdom		United States 2/		Others		Total	
	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:														
Belgium-Luxembourg	3/	--	--	--	4.4	5.1	--	--	--	--	--	--	4.4	5.1
France	--	--	--	--	1.1	1.1	--	--	--	---	--	--	1.1	1.1
Germany, West	0.7	0.6	14.1	13.3	3.8	3.7	2.6	2.8	--	--	--	--	21.2	20.4
Greece	--	--	0.1	--	16.1	18.4	--	--	--	--	--	--	16.2	18.4
Italy	3/	3/	--	0.8	2.2	2.9	--	--	--	--	--	--	2.2	3.7
Malta	--	1.0	--	--	8.6	9.2	2.1	3.7	--	--	--	--	10.7	13.9
Switzerland	0.1	0.1	--	--	5.8	7.4	--	--	--	--	--	--	5.9	7.5
United Kingdom	5.0	6.8	0.2	--	12.7	11.2	--	--	--	--	--	--	17.9	18.0
Others	--	0.1	--	--	1.5	0.4	1.7	--	--	--	--	---	3.2	0.5
Total	5.8	8.6	14.4	14.1	56.2	59.4	6.4	6.5	--	--	--	--	82.8	88.6
Eastern Europe:	--	--	--	--	--	--	--	--	--	--	--	--	--	--
North America:														
Bermuda	--	--	--	--	4/	4/	0.1	0.2	--	--	--	--	0.1	0.2
British West Indies	--	--	--	--	9.8	10.0	1.5	1.7	--	0.1	0.3	0.3	11.6	12.1
Costa Rica	--	--	--	--	0.7	0.6	0.1	0.1	--	--	--	--	0.8	0.7
Cuba	--	--	--	--	4.4	4.4	--	--	--	--	--	--	4.4	4.4
Haiti	--	--	--	--	2.8	2.6	0.8	0.9	--	--	--	--	3.6	3.5
Mexico	--	--	--	--	--	--	--	--	23.7	24.9	--	--	23.7	24.9
Netherlands Antilles	--	--	--	--	5.6	5.5	--	--	--	--	--	--	5.6	5.5
Panama Canal Zone	3/	3/	--	--	--	--	--	--	--	--	--	--	--	--
Others	0.1	0.1	0.6	0.8	5.7	5.6	1.2	0.5	0.5	0.3	5/ 6.9	4.3	15.0	11.6
Total	0.1	0.1	0.6	0.8	29.0	28.7	3.7	3.4	24.2	25.3	7.2	4.6	64.8	62.9
South America:														
British Guiana	--	--	--	0.2	5.8	4.9	1.0	1.6	--	--	--	--	6.8	6.7
Peru	--	--	--	--	15.5	14.7	0.1	--	--	--	--	0.2	15.6	14.9
Venezuela	--	--	--	--	0.5	0.4	0.2	0.2	0.2	0.1	--	--	0.9	0.7
Others	0.2	0.1	--	--	2.0	1.7	0.1	0.1	--	3.5	--	--	2.3	5.4
Total	0.2	0.1	--	0.2	23.8	21.7	1.4	1.9	0.2	3.6	--	0.2	25.6	27.7
Asia:														
Aden	--	--	--	--	7.6	7.9	0.4	0.2	--	--	--	--	8.0	8.1
Bahrein	--	--	--	--	2.7	2.1	--	--	--	--	--	--	2.7	2.1
Burma	--	--	--	--	9.9	14.1	0.7	3/	--	--	--	--	10.6	14.1
Hong Kong	--	--	--	--	19.7	19.1	0.2	0.2	3/	3/	0.6	1.4	20.5	20.7
India	4.8	--	--	--	7.8	1.9	0.8	3/	3/	30.6	--	--	13.4	32.5
Indonesia	0.1	--	--	--	--	0.2	3/	--	--	--	--	0.5	0.1	0.7
Kuwait	--	--	--	--	4.6	4.6	--	--	--	--	--	--	4.6	4.6
Malaya and Singapore	--	--	--	--	3.5	2.9	4.5	6.1	--	--	2.9	3.6	10.9	12.6
Philippines	0.6	--	--	--	36.6	53.4	10.2	7.7	38.7	6.7	--	0.9	86.1	68.7
Saudi Arabia	--	--	--	--	5.6	6.4	3/	--	--	--	--	--	5.6	6.4
Taiwan	--	--	--	--	0.8	1.0	--	--	--	--	--	0.1	0.8	1.1
Thailand	2.3	2.4	--	--	16.0	12.8	--	--	--	--	--	--	18.3	15.2
Others	0.1	0.1	--	--	7.1	4.4	1.7	1.4	0.6	1.3	--	0.1	9.5	7.3
Total	7.9	2.5	--	--	121.9	130.8	18.5	15.6	39.3	38.6	3.5	6.6	191.1	194.1
Africa:														
Algeria	--	--	11.1	9.7	3.3	0.9	--	--	--	--	--	--	14.4	10.6
Republic of Congo	--	--	--	--	1.8	1.2	--	--	1.8	3.9	--	--	3.6	5.1
Republic of Ivory Coast	--	--	1.9	4.0	2.8	3.7	--	--	--	--	--	--	4.7	7.7
Republic of Madagascar	--	--	0.6	0.7	0.1	0.3	--	--	--	--	--	--	0.7	1.0
Republic of Senegal	--	--	3.5	5.0	2.4	4.1	--	--	--	--	--	--	5.9	9.1
Ghana	--	--	--	--	17.4	16.8	0.9	1.4	--	--	--	--	18.3	18.2
Liberia	--	--	--	--	1.7	1.8	0.1	--	3/	3/	--	--	1.8	1.8
Libya	--	--	--	--	4.9	6.7	0.5	0.5	--	--	--	--	5.4	7.2
Morocco	--	--	0.1	--	6.3	8.5	--	--	--	--	--	--	6.4	8.5
Nigeria	--	--	--	--	23.0	24.9	0.4	0.4	--	--	--	--	23.4	25.3
Sierra Leone	--	--	--	--	2.8	2.5	--	0.4	--	--	--	--	2.8	2.9
Tanganyika	--	--	--	--	1.9	2.6	0.4	0.3	--	--	--	--	2.3	2.9
Tunisia	--	--	0.3	0.4	0.9	0.3	--	--	--	--	--	--	1.2	0.7
Others	--	3/	0.4	2.0	4.9	5.7	2.4	1.7	0.3	1.0	0.1	0.4	8.1	10.8
Total	--	--	17.9	21.8	74.2	80.0	4.1	4.7	2.1	4.9	0.1	0.4	99.0	111.8
All others	0.6	3/	1.5	1.0	1.8	3.7	3.8	4.8	0.5	0.2	2.7	2.3	10.9	12.0
Grand Total	14.6	11.3	34.4	37.9	306.9	324.3	38.5	36.9	66.3	72.6	13.5	14.1	474.2	497.1

1/ Preliminary. 2/ Includes shipments under Title I, P. L. 480 and AID program for foreign currencies. 3/ Less than 50,000 pounds. 4/ Included with British West Indies.
5/ Mostly to the Bahamas.

Table 6.--Condensed whole milk: Exports of major supplying countries, by destination, 1962 and 1963 1/

Destination	Australia		Denmark		France		Netherlands		United Kingdom		United States 2/		Others		Total	
	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:																
Belgium-Luxembourg	--	--	--	--	0.1	0.1	2.2	2.2	--	--	0.2	0.1	--	--	2.5	2.4
France	--	--	0.1	0.4	--	--	0.8	0.9	--	--	--	--	--	--	0.9	1.3
Greece	--	--	--	--	6.1	6.1	20.9	24.5	--	--	--	--	--	--	27.0	30.6
Italy	--	--	--	0.1	--	--	0.8	0.8	--	--	--	--	0.1	0.1	0.9	1.0
Switzerland	--	3/	0.4	0.6	--	--	2.9	4.7	--	--	--	--	--	--	3.3	5.3
United Kingdom	--	--	1.5	1.1	--	--	1.0	0.9	--	--	--	--	--	--	2.5	2.0
Others	--	--	0.4	0.1	0.4	0.2	3.3	3.2	0.3	0.4	--	--	--	--	7.8	3.9
Total	--	--	2.4	2.3	6.6	6.4	31.9	37.2	0.3	0.4	0.2	0.1	0.1	0.1	44.9	46.5
North America:																
British Honduras	--	--	--	--	--	--	--	--	1.1	1.7	--	--	--	--	1.1	1.7
British West Indies	3/	0.4	0.7	0.3	--	--	14.3	12.3	2.4	4.5	--	--	--	--	17.4	17.5
Cuba	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	2.0	2.7	--	--	--	--	--	--	2.0	2.7
French West Indies	--	--	--	--	3.6	4.2	0.8	1.0	--	--	--	--	--	--	4.4	5.2
Others	--	--	0.3	0.4	--	--	5.4	6.1	0.7	--	0.3	0.1	--	--	6.7	6.6
Total	--	0.4	1.0	0.7	3.6	4.2	22.5	22.1	4.2	6.2	0.3	0.1	--	--	31.6	33.7
South America:																
Bolivia	--	--	0.2	0.1	--	--	1.3	1.6	--	--	--	3.3	--	--	1.5	5.0
British Guiana	0.1	0.2	--	--	--	--	2.2	1.9	0.7	0.6	--	--	--	--	3.0	2.7
Peru	--	--	0.2	0.1	--	--	0.8	0.5	--	--	--	--	--	--	1.0	0.6
Venezuela	--	--	0.3	0.1	--	--	3.1	2.4	--	--	0.1	0.1	--	--	3.5	2.6
Chile	--	--	0.7	0.2	--	--	5.6	3.4	--	--	--	--	--	--	6.3	3.6
Others	--	--	0.3	--	--	0.3	1.1	1.3	3/	3/	--	3/	--	--	1.4	1.6
Total	0.1	0.2	1.7	0.5	--	0.3	14.1	11.1	0.7	0.6	0.1	3.4	--	--	16.7	16.1
Asia:																
Burma	12.6	20.2	5.4	--	2.4	11.7	30.4	15.1	3/	3.1	--	--	--	--	50.8	50.1
Ceylon	0.1	0.8	6.4	5.4	--	--	14.3	15.3	3/	3/	--	--	--	--	20.8	21.5
Hong Kong	0.1	0.1	--	--	--	--	16.6	17.4	--	3/	--	3/	0.1	0.1	16.8	17.6
India	--	3/	0.2	0.1	--	--	0.3	0.3	--	--	--	--	--	--	0.5	0.4
Viet-Nam	0.8	--	--	--	--	0.5	0.5	--	--	--	43.7	42.8	--	--	45.0	43.3
Indonesia	3/	0.5	1.5	2.9	--	--	--	0.1	--	--	--	--	0.1	0.3	1.6	3.8
Malaya and Singapore	19.4	24.6	16.8	13.7	--	--	74.8	68.7	29.0	30.6	0.2	--	2.4	2.7	142.6	140.3
Philippines	1.4	2.2	0.3	0.2	--	--	24.5	16.5	--	--	3/	3/	3.9	4.3	30.1	23.2
Taiwan	--	3/	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thailand	1.1	3.1	13.3	11.2	--	3.2	72.3	70.0	--	--	--	--	3.7	3.9	90.4	91.4
Cambodia	--	--	1.0	1.0	--	0.1	1.8	4.2	--	--	1.9	1.9	--	0.1	4.7	7.3
Others	3.3	1.4	2.0	0.4	4.4	7.5	11.7	7.5	4.7	6.8	3/	1.3	--	--	21.7	24.9
Total	38.8	52.9	46.9	34.9	6.8	23.0	247.2	215.1	33.7	40.5	45.8	46.0	10.2	11.4	425.0	423.8
Africa:																
Algeria	--	--	0.1	--	20.5	19.6	2.0	2.1	--	--	--	--	--	--	22.6	21.7
Republic of Congo	--	--	--	--	--	--	0.8	0.3	--	--	2.1	3.2	--	--	2.9	3.5
Morocco	--	--	0.1	0.1	1.2	1.9	6.3	7.3	--	--	--	--	--	--	7.7	9.3
Republic of Ivory Coast	--	--	--	--	2.7	4.6	1.1	0.7	--	--	--	--	--	0.1	3.8	5.4
Republic of Senegal	--	--	0.1	0.2	2.6	4.3	3.6	3.7	--	--	--	--	0.1	0.2	6.4	8.4
Camerouns	--	--	--	--	--	0.1	0.5	0.5	--	--	--	--	--	--	0.5	0.6
Ghana	--	--	--	--	--	--	1.2	1.5	--	--	--	--	0.1	0.1	1.3	1.6
Kenya-Uganda	--	3/	--	--	--	--	0.6	0.6	--	--	--	--	--	--	0.6	0.6
Republic of Madagascar	--	--	--	0.1	1.1	4.3	4.1	4.5	--	--	--	--	--	--	5.2	8.9
Mauritius	1.6	1.3	--	--	--	2.9	--	--	0.1	--	--	--	--	--	1.7	4.2
Portugese-Africa	--	--	--	--	--	--	5.3	6.9	--	--	--	--	--	--	5.3	6.9
Reunion	--	--	--	0.1	1.9	2.9	0.5	0.5	--	--	--	--	--	--	0.5	3.5
Rhodesia and Nyasaland	0.5	0.3	--	--	--	--	1.0	0.6	3.1	3.7	--	--	--	--	4.6	4.6
Tanganyika	--	0.1	--	--	--	--	1.5	1.8	--	--	--	--	--	--	1.5	1.9
Tunisia	--	--	--	--	2.4	--	2.5	2.1	--	--	--	--	--	--	4.9	2.1
Republic of South Africa	--	--	--	--	--	--	0.1	0.1	--	--	--	--	--	--	0.1	0.1
Others	0.1	1.6	0.1	0.3	--	1.4	12.8	14.0	0.1	3/	--	0.7	--	--	15.0	18.0
Total	2.2	3.3	0.4	0.8	32.4	42.0	43.9	47.2	3.3	3.7	2.1	3.9	0.2	0.4	84.6	101.3
All others	2.5	2.8	0.5	--	2.8	1.0	4.3	2.9	0.2	0.2	0.1	0.4	0.5	0.2	11.8	7.5
Grand Total	43.6	59.6	52.9	39.2	52.2	76.9	363.9	335.6	42.4	51.6	48.6	53.9	11.0	12.1	614.6	628.9

1/ Preliminary. 2/ Includes shipments under Title I, P. L. 480 and AID program for foreign currencies. 3/ Less than 50,000 pounds.

Table 6. (Attached)

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WORLD BUTTER PRODUCTION DOWN, CHEESE PRODUCTION UP IN 1963

Total world butter production in 1963 is estimated at 10.6 billion pounds. This represents a decline of 2 percent below 1962 output. Compared with the 1956-60 average, 1963 production was up approximately 5 percent.

Output in Western Europe, the largest producing area (represented by 16 countries), increased less than 1 percent to 3.6 billion pounds. In most of the West European countries in which generally favorable conditions resulted in higher milk production in 1963 over 1962, total butter production showed about the same gain. The largest increase in total butter output occurred in West Germany where production rose 46 million pounds to 1,087 million pounds. In France, milk production set a new record. From the increased quantities available for the manufacture of dairy products, much went into butter, production of which was 740 million pounds, compared with 654 million a year ago. The increase in other Western European countries was Finland, 7 percent; Austria, 1 percent; and Norway, 2 percent. In Switzerland, output showed no change from the earlier year.

In Denmark, unfavorable conditions resulted in lower milk production, and milk utilized for butter was considerably less than a year ago. Reduced milk production in the Netherlands, largely the result of adverse weather conditions, was reflected mainly in smaller butter output. Production also declined in Sweden, down about 7 percent; Belgium, down 6 percent; Italy, down 4 percent; and Ireland, just under 1963.

Oceania's output was up 4 percent. South America's outturn of total butter showed little change from 1962.

In North America, production declined 8 percent. In Canada, less milk went into butter, output of which was down about 3 percent. In the United States, smaller quantities were available for processing than a year ago. Total butter production declined about 9 percent.

Creamery butter production in 1963 in 33 countries was 8.6 billion pounds, down 2 percent from 1962, but up 11 percent over the 1956-60 average.

In Western Europe, output rose about 1 percent over the earlier year. Production in West Germany, the largest producer in that area, increased 4 percent to 1,026 million pounds. Finland used more than half of 1963 milk production in the manufacture of butter, most of which was creamery butter, and output was up 7 percent over 1962. More milk was diverted to creamery butter production in France, Austria and Norway in 1963 than in the earlier year.

In Belgium, less milk was used for butter. This was the result of the program of the Belgian Ministry of Agriculture and the National Milk Office whose aim was to promote production of cheese and other dairy products. In the United Kingdom, an increase in fluid milk consumption left less milk for manufacturing purposes; output of creamery butter declined sharply to only 72 percent of 1962.

Production in the U.S.S.R., the world's largest producer of creamery butter, was reported at 1.7 billion pounds, down 7 percent from a year earlier, but 17 percent above the 1956-60 average.

In Australia, creamery butter production was the highest for some years. This was the result of larger availability of milk for processing and better export prospects arising from the increase in quotas for the United Kingdom market. Production was up in New Zealand, where more milk was diverted to buttermaking.

In South America, creamery butter production was approximately the same as in 1962, but in North America, it declined 8 percent.

Total cheese production in 32 countries in 1963 at 7.4 billion pounds was 1 percent above the earlier year and 16 percent above the 1956-60 average.

More than half of the cheese produced in 1963 was made in Western Europe, where production was up 2 percent over 1962. The largest gain in that area was in France, where an 86-million pound increase brought production for the year to 1,037 million pounds, 9 percent above production for the preceding year.

Denmark increased the quantity of milk available for cheese and output was up approximately 6 percent. In Belgium, production was up 8 percent, due to the government program of furthering the manufacture of this product, together with other dairy products, with the exception of butter.

In Italy, unfavorable conditions affected milk production in 1963 and supplies for manufacturing decreased. Output of cheese, estimated at 981 million pounds, was down 2 percent from the earlier year.

Oceania's production was down 6 percent; more milk was channeled into butter production and less was available for cheese. Reduced output in New Zealand accounted for most of the decline. In South America, production was somewhat less than last year. In North America, it increased about 4 percent.

Factory cheese production in 28 countries in calendar 1963, estimated at 4.9 billion pounds, showed practically no change from the preceding year. Compared with the 1956-60 average, production was up 15 percent.

Output in Western Europe remained at the 1962 level. In West Germany, production rose 2 percent to 304 million pounds, but was again below the 1956-60 average. Austria, Finland and Switzerland also reported increased factory cheese production in 1963, compared with a year earlier.

In the Netherlands and the United Kingdom, production declined, since less milk was available for cheese making than a year ago.

In Oceania, production was 6 percent less. In South America, output was down about 4 percent. In North America, it was up 4 percent.

Butter: World Production, Average 1956-60, Annual 1962 and 1963

Continent and Country	Average 1956-60		1962		1963 1/	
	Factory	Total	Factory	Total	Factory	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
North America:						
Canada	320	332	366	374	356	361
United States	1,385	1,484	1,534	1,576	1,401	1,434
South America:						
Argentina 2/	130	130	110	110	3/ 111	3/ 111
Brazil 3/	67	111	71	115	69	113
Chile	7	14	8	14	9	15
Colombia	14	24	19	32	20	33
Peru	--	5	--	6	--	6
Uruguay	5	12	7	16	7	16
Venezuela 2/	9	9	8	8	8	8
Europe:						
Austria	65	82	73	88	75	89
Belgium	107	195	123	195	112	184
Denmark	367	367	368	368	329	329
Finland	169	181	206	212	220	226
France	544	645	511	654	597	740
Germany, West	773	836	990	1,041	1,026	1,087
Greece 4/	--	23	--	27	--	26
Ireland	100	143	111	136	110	135
Italy	--	143	--	149	--	143
Luxembourg 2/	10	10	3/ 11	3/ 11	3/ 10	3/ 10
Netherlands	187	187	224	224	208	208
Norway	33	41	39	44	40	45
Portugal 2/	6	6	4	6	3/ 4	3/ 6
Sweden	184	186	200	202	186	188
Switzerland	68	68	76	76	76	76
United Kingdom	63	85	134	156	97	119
Bulgaria 2/	16	16	23	23	3/ 22	3/ 22
Czechoslovakia 2/	120	120	141	141	3/ 160	3/ 160
Germany, East 2/	349	349	353	353	3/ 364	3/ 364
Hungary 2/	33	33	32	32	39	39
Poland 2/	184	184	201	201	179	179
Rumania 2/	20	20	32	32	36	36
U.S.S.R.	1,460	5/1,777	1,832	2,072	1,711	1,927
Africa:						
Kenya 2/	12	12	12	12	3/ 12	3/ 12
South Africa, Republic of	86	94	99	102	3/ 92	3/ 95
Oceania:						
Australia	424	431	437	444	457	464
New Zealand	471	478	471	478	488	495
Total	6/ 7,788	7/10,100	6/ 8,826	7/ 10,800	6/ 8,631	7/ 10,560

1/ Preliminary. 2/ Creamery butter only. 3/ Estimated. 4/ Made from the milk of cows, buffalos, sheep and goats. 5/ Less than a 5-year average. 6/ Total factory production in above countries. 7/ World total butter production estimated on basis of change in production in countries shown, which represents about 92 percent of total production.

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Cheese 1/: Production in Specified Countries, Average 1956-60, Annual 1962 and 1963

Continent and Country	Average 1956-60		1962		1963 2/	
	Factory	Total	Factory	Total	Factory	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
North America:						
Canada	109	110	131	132	153	154
United States	1,411	1,411	1,585	1,585	1,628	1,628
South America:						
Argentina 3/	263	263	287	287	4/ 284	4/ 284
Brazil 4/	86	132	94	151	82	139
Chile	20	28	21	30	21	32
Colombia	75	107	92	131	92	132
Peru	--	19	--	21	--	22
Uruguay	8	19	8	20	9	20
Europe:						
Austria	44	48	59	63	65	69
Belgium	39	42	58	61	63	66
Denmark	229	229	253	253	268	268
Finland	58	58	69	69	75	75
France 5/	--	856	--	951	--	1,037
Germany, West 3/	342	342	299	299	304	304
Greece 6/	--	170	--	188	--	184
Ireland 3/	7	7	18	18	21	21
Italy 5/	--	821	--	996	--	981
Netherlands	386	411	472	493	445	465
Norway 7/	79	80	94	95	4/ 94	4/ 95
Portugal 3/	5	5	5	5	4/ 5	4/ 5
Sweden	115	115	121	121	123	123
Switzerland 7/	136	140	151	151	154	154
United Kingdom	214	226	233	252	216	235
Bulgaria 3/ 8/	84	84	141	141	4/ 139	4/ 139
Czechoslovakia 3/	82	82	103	103	4/ 103	4/ 103
Germany, East 3/	71	71	92	92	4/ 93	4/ 93
Hungary 3/	21	21	34	34	40	40
Poland 3/	33	33	42	42	40	40
Rumania 3/	70	70	101	101	95	95
Africa:						
South Africa, Republic of 3/	28	28	33	33	4/ 31	4/ 31
Oceania:						
Australia	95	95	127	127	126	126
New Zealand	211	211	229	229	208	208
Total of above countries	4,321	6,334	4,952	7,274	4,977	7,368

1/ Whole milk cheese made from cows' milk, unless otherwise noted. 2/ Preliminary. 3/ Factory production only. 4/ Estimated. 5/ Made from the milk of cows, sheep and goats. 6/ Made from the milk of cows, buffalos, sheep and goats. 7/ Made from the milk of cows and goats. 8/ Made from the milk of cows and sheep.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U. S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

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FD 6-64
July 1964

UNITED STATES DAIRY EXPORTS UP SHARPLY IN 1963

U. S. exports of dairy products, including shipments under government programs, were up sharply in 1963. Total exports of nonfat dry milk at 1.2 billion pounds was a record high, up 48 percent from the 823 million pounds shipped in 1962. This sharp increase in nonfat dry milk shipments was evident in all government programs, but the largest gains were reflected in dollar sales and donations under Title III, P. L. 480. Exports of butter, including those shipped under government programs increased to record levels in 1963. The largest increase was in dollar sales and Title III donations.

For the past several years, U. S. butter and nonfat dry milk have been offered for export at competitive prices but all large commercial market outlets have been controlled by licensing systems or import quota arrangements. Thus, price has not been allowed to play the traditional free market role in establishing trade patterns. Numerous restrictive trade practices by all major butter importing countries, together with large quantities of products available for export in favored nations, have for many years, severely limited outlets for U. S. commercial sales.

The harsh winter experienced in Europe in 1962-63 and the resultant reduction in cattle numbers, higher prices for feed, and other factors held milk production at about the 1962 level in the major European dairy countries. This static level of output, along with increased consumption of fluid milk and a lower output of butter reduced supplies available for shipment from traditional exporting countries in Europe. This situation was the dominant factor in the sharp increase in commercial exports of butter from the United States. U. S. dollar exports of butter in 1963 totaled 68.6 million pounds compared with 8.5 million pounds a year earlier. Approximately two-thirds of dollar exports went to Europe.

Exports of nonfat dry milk for dollars totaled 192.6 million pounds in 1963, compared with 73.2 million pounds in 1962. About 52 percent of the 1963 dollar shipments of nonfat went to European countries.

On a whole milk equivalent (butterfat) basis, all dairy products exports were up -- totaling 4.9 billion pounds in calendar year 1963, compared with 1.4 billion pounds in 1962. Increased shipments of butter and butter products were primarily responsible for this dramatic increase, but other major dairy products also showed substantial gains in 1963.

Total value of dairy product shipments in 1963 is estimated at $231.3 million, compared with $138.6 million a year earlier. Nonfat dry milk and butter exports accounted for most of the total increase and 72 percent of total value of all dairy product exports. Canned milk, cheese, dried whole milk, and infant and dietetic products also increased slightly.

Butter and butter products

Total butter exports in 1963 amounted to about 195 million pounds, more than 5 times the 1962 exports of 35.4 million pounds.

Expanded shipments of butter and butter products -- such as butteroil, anhydrous milk fat, and ghee were attributable to special export programs and to a shortfall in exportable supplies in several of the European countries. In an effort to stabilize prices on the domestic market some of these countries, for the first time in many years, purchased sizeable quantities of butter from the United States in the late summer and fall of 1963.

Commercial exports of butter, including a small quantity under the PIK program, amounted to 68.6 million pounds, the highest level of commercial exports since 1943 and 1944, when large quantities were shipped to U. S. allies in Europe. Of these commercial exports, about 38 million pounds were shipped to EEC countries, with all member countries except France receiving sizeable quantities. Italy received the most, about 16.6 million pounds. Total shipments under Titles II and III (donations) amounted to 122 million pounds, the largest since 1956.

The United Kingdom, while still operating under a controlled quota system, imported 1.2 million pounds of U. S. butter. A shortage in butter supplies developed there because of a decline in the quantity of domestic milk available for manufacturing purposes and a shortfall in deliveries on quotas authorized for several supplying countries.

In the Latin American market, Peru and Chile continued to be the largest markets for U. S. butter, while Korea, Japan, and the Philippines remained the largest markets in the Far East.

Cheese

Total exports of cheese in 1963 amounted to 33.5 million pounds, an increase of 69 percent over 1962. Most of this increase was attributable to expanded exports under Title III (donations), with commercial exports amounting to only 9.2 million pounds, or about 2 million pounds over the 7 million exported commercially in 1962.

Dried milk

Shipments of nonfat dry milk in 1963, at 1,218 million pounds, set a new record for the third consecutive year. Shipments under all of the various government programs and commercial sales were substantially in excess of similar exports a year earlier. Mexico and the Philippines were the two largest commercial buyers of nonfat for food purposes, importing about 21 million pounds each, while the Netherlands and Denmark were the largest importers for general uses, taking 48 and 13 million pounds respectively. Government-to-government sales to Japan increased to 167 million pounds from 100 million a year before. Total shipments under Title II increased to 77 million pounds, about 30 million over similar exports in 1962. Shipments of nonfat for foreign donation under Title III reached a record level of 721 million pounds, well above the 565 million donated in 1962.

After 4 consecutive years of declining exports, total shipments of dry whole milk amounted to 29.9 million pounds, more than double exports in 1962. However, approximately 10 million pounds of this product moved under Title I programs which largely explains this sizeable increase.

Canned milk

Exports of canned milk, both evaporated and condensed, were up slightly from 1962 levels. Viet-Nam continued as the major receiver of condensed milk. Commercial exports of evaporated milk to the Philippines, traditionally our largest market, dropped dramatically for the second consecutive year. Philippine production of evaporated milk and milk products, much of it from imported ingredients has been expanding in recent years. This plus continuing sizeable imports from the Netherlands has practically displaced U. S. evaporated milk from this important market. Mexico, formerly our second best customer, has now become our major commercial market for evaporated milk.

Shipments of evaporated milk under Title I in 1963 to all countries increased substantially to 36.6 million pounds from 1.7 million in 1962. India was the major recipient, taking 30.6 million pounds, followed by the Congo which received 3.9 million pounds.

Imports

The value of U. S. dairy imports, including casein, in 1963 was estimated at $53.4 million, down 1.5 percent from 1962. Cheese and casein for industrial uses accounted for almost all dairy products imported. Imports of cheese, the principal food item, totaled 83 million pounds, up 7 percent from 1962. Bigger imports from Australia which rose to 5.9 million pounds or about 4.5 million pounds over 1962, accounted for most of this increase. Italy remained the principal supplier, accounting for 28 percent of total U. S. cheese imports. Switzerland, New Zealand, and Denmark were the remaining leading suppliers, accounting for 12 percent each. Imports of cheese from New Zealand declined in 1963 to 9.7 million pounds from 10.5 million pounds in 1962, and 15.7 million in 1961. This decline came about mainly as a result of the agreement between the United States and New Zealand in which the latter agreed voluntarily to restrict its exports of Colby cheese to the United States.

Casein imports, mostly for industrial use, in 1963 totaled 85.6 million pounds, a decline of almost 10 million pounds from 1962. Argentina remained the major supplier, accounting for 40 percent of total imports. Australia, New Zealand, and Canada, ranked as second, third, and fourth largest suppliers -- accounting for 18, 15, and 14 percent respectively. Imports from Poland, one of the large suppliers in 1962, dropped to about 1 million pounds in 1963 from 8 million in 1962.

Table 1.-Dairy Products: U. S. exports of specified products, by type of shipment, 1961-63*

Commodity and year	Total exports 1/	Public Law 480					AID programs 2/	Government-to-government sales 3/	Sales for dollars 6/
		Title I	Title II	Title III		Title IV			
		Sales for foreign currency	Donations	Donations	Barter	Long-term credit sales			
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
BUTTER: 4/									
1961	6,663	-	-	-	314	-	-	-	6,349
1962	35,437	-	5/ 2,080	22,808	2,000	-	-	-	5/ 8,549
1963	194,718	1,506	4,547	117,676	127	2,205	59	-	68,598
CHEESE:									
1961	8,821	-	-	-	-	-	-	-	8,821
1962 5/	19,894	-	-	12,935	-	-	-	-	6,959
1963	33,592	575	978	22,809	-	-	-	-	9,230
CANNED MILK:									
1961	139,527	-	-	-	-	-	47,576	-	91,951
1962	115,223	32,758	-	5/ 251	-	-	18,939	-	5/63,275
1963	127,348	79,453	-	864	-	4,700	1,960	-	40,371
DRY WHOLE MILK:									
1961	15,609	-	-	-	-	-	406	-	15,203
1962	13,723	2,641	-	-	-	-	158	-	10,924
1963	29,879	10,306	-	-	-	-	89	-	19,484
NONFAT DRY MILK 6/									
1961	740,014	17,749	21,018	569,869	22,062	-	28	53,385	56,903
1962	823,013	11,016	47,074	564,688	18,403	-	-	108,680	73,152
1963	1,218,495	26,923	77,332	721,737	22,277	6,613	-	171,027	192,586

1/ Based on data from Bureau of Census adjusted by FAS on basis of shipments reported by program office. 2/ Formerly shown under P.L. 665 - Sec. 402. 3/ Sales at concessional prices for restricted uses, mainly school lunch programs. 4/ Includes butter equivalent of anhydrous milk fat, butter oil and ghee. 5/ Revised. 6/ Includes product moved into export under weekly sales programs LD 33 and LD 35, butter, nonfat and cheese and sales of nonfat and butter under the PIK Program. * Preliminary.

Table 2.-BUTTER AND CHEESE: U. S. exports by country of destination, annual 1961-63*

Country of destination	BUTTER 1/						CHEESE					
	Total exports including shipments under government programs			Sales for dollars 2,3/			Total exports including shipments under government programs			Sales for dollars 2,3/		
	1961	1962 4/	1963 4/	1961	1962	1963	1961	1962 5/	1963 4/	1961	1962	1963
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
NORTH AMERICA:												
Canada 6/	7	83	218	7	83	218	1,235	1,448	1,039	1,235	1,448	1,039
Mexico	21	15	2,589	21	15	148	95	92	508	95	64	8
Guatemala	2	-	910	2	-	-	68	70	582	68	70	86
El Salvador	-	1,273	1,916	-	16	-	69	65	1,112	69	65	73
British Honduras	1	-	120	1	-	1	85	139	146	85	139	146
Honduras	4	2	194	4	2	1	8	37	49	8	37	49
Panama	-	111	594	-	111	217	916	1,113	987	916	1,113	987
Panama Canal Zone	-	2	-	-	2	-	123	165	80	123	165	80
Bahamas	58	116	216	58	116	216	161	175	199	161	175	199
Bermuda	84	120	131	84	120	131	90	79	76	90	79	76
Haiti	-	70	241	-	15	19	100	339	175	100	75	107
Dominican Republic	-	398	4,030	-	73	150	5	828	1,720	5	30	259
Netherlands Antilles	2	5	18	2	5	18	152	182	161	152	182	161
Jamaica	-	387	3,466	-	3	1,167	31	69	625	31	69	95
Leeward & Wind. Is.	1	-	4	1	-	1	22	22	5	22	15	5
Nicaragua	-	433	1,703	-	-	99	-	232	1	-	4	1
Costa Rica	-	-	84	-	-	11	4	1	1,004	4	1	774
SOUTH AMERICA:												
Colombia	-	-	5,226	-	-	-	-	2	111	-	2	11
Ecuador	-	73	150	-	-	-	3	74	160	3	1	8
Peru	17	1,370	8,134	17	534	2,849	78	68	78	78	68	78
Chile	55	1,147	6,821	55	687	1,086	-	79	151	-	1	-
Venezuela	6	-	7,443	6	-	2	3,860	1,504	792	3,860	1,504	792
Brazil	-	904	15,762	-	3	-	-	776	4,672	-	-	-
Bolivia	-	481	3,915	-	-	-	-	1	1,480	-	1	-
Trinidad	-	64	246	-	64	243	12	21	34	12	14	21
Paraguay	-	-	1,001	-	-	-	3	1	-	3	1	-
Uruguay	-	-	252	-	-	-	-	-	-	-	-	-
EUROPE:												
United Kingdom	-	69	1,210	-	69	1,210	933	749	404	933	749	404
Spain	-	-	11	-	-	11	-	-	3	-	-	3
Portugal	-	-	2,957	-	-	-	-	1,840	2,757	-	-	1
France	-	17	42	-	1	11	5	61	1	5	8	1
Belgium	-	-	9,898	-	-	9,898	44	1	23	44	1	23
Germany, West	333	1,188	6,223	333	510	6,222	5	89	240	5	2	3
Italy	-	8	19,380	-	-	16,644	1	-	2,353	1	-	2,353
Poland	-	889	14,100	-	-	7,370	-	204	2,363	-	-	-
Austria	-	-	-	-	-	-	-	-	-	-	-	-
Trieste	-	-	61	-	-	-	-	-	-	-	-	-
Yugoslavia	-	4,338	4,765	-	-	-	-	-	28	-	-	-
Greece	-	605	2,668	-	-	-	-	1,357	1,097	-	-	1
Sweden	-	-	191	-	-	191	-	-	-	-	-	-
Netherlands	-	-	5,292	-	-	5,292	55	39	-	55	39	-
Switzerland	-	-	2,015	-	-	2,015	-	-	-	-	-	-
ASIA:												
Malaya	-	531	1,319	-	2	9	-	145	136	-	-	3
Turkey	2	-	2,871	2	-	-	1	268	1	1	-	-
Israel	-	-	1,709	-	-	1,654	2	-	1	2	-	1
Jordan	-	-	131	-	-	-	171	186	198	171	5	6
Iran	38	13	1,865	38	13	463	8	168	1	8	168	1
Pakistan	4	242	3,142	4	12	201	3	13	-	3	13	27
India	-	-	420	-	-	5	2	492	1,138	2	2	222
Thailand	249	114	168	249	114	168	3	3	4	3	3	4
Viet Nam	29	609	1,244	29	21	15	4	626	592	4	5	2
Hong Kong	31	193	769	31	193	211	11	14	16	11	14	16
Taiwan	85	124	1,299	85	114	140	-	4	-	-	4	-
Korea	2,208	2,093	2,234	2,208	2,093	2,234	-	9	2	-	9	2
Japan	2,012	1,799	2,119	2,012	1,799	2,119	73	73	134	73	73	134
Philippines	8	663	7,736	8	33	3,843	86	237	752	86	57	140
Nansei Islands	1,235	1,399	1,893	1,235	1,399	1,563	98	462	368	98	176	130
Lebanon	-	25	192	-	25	192	32	38	43	32	38	43
Laos	-	227	779	-	-	-	-	15	-	-	-	-
AFRICA:												
Algeria	-	7,681	10,555	-	-	-	-	-	-	-	-	-
Morocco	112	298	10,762	112	61	75	-	1,021	435	-	-	-
Liberia	7	3	273	7	3	10	22	42	49	22	42	19
Tunisia	-	2,110	89	-	7/ -	-	-	100	34	-	-	-
Libya	-	-	-	-	-	-	17	36	279	17	36	9
Egypt	2	2,242	357	2	-	-	-	3,780	3,212	-	-	-
Guinea	-	-	187	-	-	-	-	-	-	-	-	-
Congo, Rep. of	-	5	2,767	-	5	-	28	55	508	28	55	275
Nigeria	-	-	64	-	-	64	3	31	6	3	2	-
Rep. of South Africa	-	-	89	-	-	89	1	-	93	1	-	93
Barundi	-	-	681	-	-	-	-	-	-	-	-	-
Ghana	-	32	493	-	-	-	1	16	58	1	-	-
Sierra Leone	-	-	546	-	-	-	-	-	-	-	-	-
Togo	-	-	352	-	-	-	-	-	-	-	-	-
Fr. Somaliland	-	-	160	-	-	-	-	-	-	-	-	-
Malagasy Republic	-	-	240	-	-	-	-	-	-	-	-	-
ALL OTHERS	50	866	3,016	50	233	102	92	138	317	92	135	259
GRAND TOTAL	6,663	35,437	194,718	6,663	7/8,549	68,598	8,821	5/19,894	33,592	8,821	6,959	9,230

1/ Includes butter equivalent of anhydrous milk fat, butter oil and ghee. 2/ Includes product moved into export under weekly sales programs LD 33 and LD 35, and sales under PIK Program. 3/ Partially estimated. 4/ Grand total and totals reported by Bureau of Census for several countries adjusted by FAS on basis of reported export liftings by programs. 5/ Revised.
6/ Includes Newfoundland and Labrador. 7/ Revised: butter shipments to Tunisia were made under Title II and not sales for dollars, as previously reported by Census. *Preliminary.

Table 3.-DRIED MILK: U. S. exports by country of destination, annual 1961-63*

Country of destination	NONFAT DRY MILK						DRIED WHOLE MILK					
	Total exports, including shipments under government programs 1/			Sales for dollars 2,3/			Total exports, including shipments under government programs			Sales for dollars 3/		
	1961	1962	1963	1961	1962	1963	1961	1962	1963	1961	1962	1963
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.
NORTH AMERICA:												
Canada	56	91	8,188	56	91	8,188	435	608	238	435	608	238
Mexico	31,831	45,649	66,706	23,637	17,187	21,175	176	406	659	176	406	659
Guatemala	2,467	4,871	6,672	-	585	-	20	18	2	20	18	2
El Salvador	358	1,854	3,098	144	252	49	5	19	7	5	19	7
British Honduras	888	780	825	-	54	-	-	-	-	-	-	-
Nicaragua	212	2,102	3,840	2	57	-	7	5	17	7	5	17
Costa Rica	45	29	26	45	29	26	-	1	-	-	1	-
Panama Republic	1,758	2,169	3,348	-	6	-	4	10	7	4	10	7
Panama Canal Zone	-	-	791	-	-	-	-	-	1	-	-	1
Bahamas	399	312	266	149	310	265	8	25	30	8	25	30
Bermuda	418	414	342	418	471	342	62	21	2	62	21	2
Cuba	-	-	15,034	-	-	-	-	-	-	-	-	-
Dominican Republic	152	4,102	15,087	98	131	-	2	9	2	2	9	2
Haiti	2,778	2,184	2,745	-	15	-	2	53	90	2	53	90
Jamaica	2,363	3,391	4,846	397	152	-	11	7	19	11	7	19
Leeward & Windward Islands	1,885	1,616	1,566	-	134	-	2	-	1	2	-	1
Netherlands Antilles	163	374	437	162	374	437	33	28	37	33	28	37
Honduras	1,282	638	2,394	-	-	325	5	12	8	5	12	8
SOUTH AMERICA:												
Colombia	25,421	31,716	42,064	124	-	-	5	-	1	5	-	1
Ecuador	5,576	6,429	6,413	4	-	4	3	3	5	3	3	5
Peru	9,986	10,590	19,113	100	2,725	1,177	215	108	60	215	108	60
Chile	16,666	12,783	30,608	-	1,537	-	4	4	-	4	4	-
Venezuela	3,016	5,608	11,454	421	1,756	2,567	12,649	6,358	4,501	12,649	6,358	4,501
Brazil	28,554	61,818	94,630	-	-	-	1	-		1	-	-
Bolivia	1,905	2,730	7,448	-	-	-	1	-	436	1	-	-
Paraguay	5,508	1,724	4,984	-	-	-	-	1	3	-	1	3
Argentina	41	-	694	41	-	694	-	-	-	-	-	-
Uruguay	1,427	1,532	3,301	169	-	-	-	-	-	-	-	-
British Guiana	652	620	819	-	-	176	1	-	-	1	-	-
Surinam	743	1,170	832	-	463	247	12	-	1	12	-	1
Trinidad & Tobago	504	513	559	-	-	433	26	1	11	26	1	11
EUROPE:												
United Kingdom	90	-	22	90	-	22	3	4	1	3	4	1
Spain	35,074	62,071	77,650	-	915	-	-	1,051	3,501	1	1,051	3,501
Portugal	15,330	14,310	22,496	8	-	-	4	5	18	4	5	18
Netherlands	1,676	1,914	48,559	-	1,834	48,326	-	5	3,628	-	5	3,628
Belgium	330	537	7,788	130	537	7,225	-	20	1,341	-	20	1,341
France	144	5,235	108	1	5,109	1	1	2	-	1	2	-
Denmark	8	119	13,296	8	119	13,296	-	24	1,048	-	24	1,048
Germany, West	2,067	369	2,870	57	-	2,689	3	5	2	3	5	2
Italy	39,533	30,968	45,964	-	-	9,926	293	798	674	293	798	674
Austria	111	52	2,696	-	-	2,671	-	-	-	-	-	-
Poland	13,680	13,318	15,077	-	-	-	-	-	-	-	-	-
Trieste	411	604	2,537	-	-	2,261	-	-	-	-	-	-
Yugoslavia	40,389	36,423	58,988	-	-	8,325	-	-	1,083	-	-	1,083
Greece	5,195	5,399	4,837	4	54	49	-	12	-	-	12	-
Sweden	62	19	-	62	19	-	7	2	7	7	2	7
Switzerland	662	4,145	6,751	662	4,145	6,751	-	322	788	-	322	788
ASIA:												
Turkey	13,520	14,904	10,723	-	-	-	3	-	-	3	-	-
Syria	966	912	1,099	166	-	-	-	2	4	-	2	4
Lebanon	5,265	3,453	5,569	-	2,815	4,281	8	-	9	8	-	9
Israel	15,032	10,446	12,571	-	-	1,463	3	13	28	3	13	28
Jordan	2,696	2,259	2,990	-	-	-	-	3	1	-	3	1
Iraq	2,686	55	699	-	-	-	-	-	10	-	-	10
Arabian States	154	193	110	154	192	62	24	4	7	24	4	7
Iran	4,328	5,260	5,073	200	-	-	51	21	54	51	21	54
Afghanistan	479	756	959	-	-	-	-	5	1	-	5	1
Pakistan	9,590	13,527	32,222	-	-	420	6	58	249	6	58	249
India	77,395	69,838	78,670	-	-	-	38	24	713	38	24	8
Ceylon	6,379	7,338	11,276	-	-	-	15	48	14	15	48	14
Burma	2,260	2,476	1,728	-	-	-	-	-	-	-	-	-
Malaya	838	1,614	1,530	-	298	-	-	-	19	-	-	19
Thailand	959	1,199	1,124	228	312	68	5	5	3	5	5	3
Viet Nam	5,789	4,882	4,626	-	540	-	479	463	521	225	354	376
Hong Kong	7,342	4,397	5,656	1,000	3,871	3,963	9	5	33	9	5	33
Taiwan	33,773	14,352	5,668	-	506	-	20	61	10	-	-	-
Korea	17,263	17,992	23,953	4/6,000	4/4,459	834	161	5	2	161	5	2
Japan	59,043	106,219	182,927	6,500	1,000	13,453	318	205	250	318	205	250
Indonesia	13,442	14,454	16,443	-	-	-	3	8	8	3	8	8
Philippines	58,578	42,912	47,382	14,000	15,405	20,955	94	20	35	94	20	35
AFRICA:												
Morocco	5,377	7,711	5,013	-	71	-	-	69	68	-	69	68
French West Africa	2,963	4,923	6,939	-	-	640	-	-	253	-	-	128
British West Africa	359	5,734	2,467	-	-	84	-	-	-	-	-	-
Liberia	955	616	404	45	-	-	21	5	9	21	5	9
Algeria	6,462	13,796	15,472	-	-	-	-	-	-	-	-	-
Ghana	2,952	3,217	3,540	-	-	-	2	-	-	2	-	-
Nigeria	630	629	2,305	-	-	-	-	-	2	-	-	2
Tunisia	4,477	6,725	3,793	-	-	-	-	-	-	-	-	-
Libya	838	20	193	8	20	29	1	-	3	1	-	3
Republic of Congo	8,894	16,197	25,832	-	-	1,542	1	2,629	9,101	1	-	127
Rhodesia	110	145	226	110	145	123	-	2	-	-	2	-
Republic of S. Africa	609	207	-	521	128	-	-	-	36	-	-	36
Egypt	35,650	29,430	6,783	-	-	1,496	7	6	4	7	6	4
Ethiopia	1,857	2,671	2,813	-	-	-	2	-	1	2	-	1
British E. Africa	14,022	4,923	6,774	55	1,365	-	-	2	-	-	2	-
ALL OTHERS	14,266	14,279	14,174	927	2,661	5,526	338	113	202	206	113	202
GRAND TOTAL	740,014	823,013	1,218,495	56,903	73,152	192,586	15,609	13,723	29,879	15,203	10,924	19,484

1/ Grand total and totals for several countries adjusted by FAS on basis of reported liftings by programs. 2/ Includes products moved into export under weekly sales program LD 33 and LD 35, and under the PIK Program. 3/ Partially estimated. 4/ Apparently includes milk imported commercially for use on U. S. Service installations. * Preliminary.

Table 4.--CANNED MILK: U. S. exports by country of destination, annual 1961-63*

Country of destination	EVAPORATED MILK						CONDENSED MILK					
	Total exports including shipments under government programs			Sales for dollars			Total exports including shipments under government programs			Sales for dollars		
	1961	1962	1963 1/	1961	1962	1963	1961	1962	1963 1/	1961	1962	1963
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
NORTH AMERICA:												
Canada 2/	48	48	15	41	44	15	185	138	71	184	138	71
Mexico	21,336	23,749	24,927	21,311	23,740	24,925	126	28	20	126	28	20
Nicaragua	306	362	174	306	247	174	-	1	1	-	1	1
Costa Rica	24	-	60	24	-	-	3	2	-	3	2	-
Honduras	44	1	3	17	1	3	-	-	-	-	-	-
Panama	4	8	81	4	8	-	5	4	-	5	4	-
Bahamas	92	153	115	79	143	113	117	87	-	117	87	-
Cuba	-	-	505	-	-	-	-	-	-	-	-	-
Jamaica	81	55	69	74	55	69	2	24	-	2	24	-
SOUTH AMERICA:												
Venezuela	87	159	57	87	156	57	161	59	73	161	59	73
Colombia	248	3	139	29	3	139	-	1	4	-	1	4
Peru	4	-	-	4	-	-	35	-	5	35	-	5
Chile	-	-	943	-	-	943	-	-	-	-	-	-
Bolivia	-	-	3/2,378	-	-	-	-	-	3/3,259	-	-	154
EUROPE:												
Belgium	-	-	-	-	-	-	320	207	57	320	207	57
ASIA:												
Arabian States	101	19	115	105	19	115	-	-	5	-	-	5
Iran	45	23	2	45	23	2	-	-	-	-	-	-
Pakistan	28	60	22	28	60	22	1	35	-	1	35	-
India	19	24	4/30,582	19	24	-	-	-	5/	-	-	-
Malaya	-	-	-	-	-	-	33	176	-	33	176	-
Hong Kong	-	8	4	-	8	4	25	-	45	25	-	45
Viet Nam	6/ 498	105	4/ 586	-	105	88	6/42,964	7/43,706	4/42,765	-	-	3,983
Cambodia	-	-	-	-	-	-	6/2,980	6/1,934	6/ 1,907	-	-	-
Philippines	67,186	38,770	6,903	67,186	36,585	6,693	60	8	21	60	8	21
Korea	41	18	6	-	18	-	-	-	-	-	-	-
Japan	120	90	56	120	90	56	-	-	-	-	-	-
U.S. Trust Terr.	292	260	548	292	260	548	19	1	-	19	1	-
Laos	-	-	-	-	-	-	-	-	1,287	-	-	1,287
AFRICA:												
Congo, Republic of	-	4/1,763	4/3,913	-	343	-	-	4/2,136	4/3,218	-	-	-
Liberia	22	42	47	18	40	37	11	4	-	11	4	-
Guinea	-	303	4/ 924	-	-	-	-	-	4/ 753	-	-	-
ALL OTHERS	1,633	589	300	842	468	259	222	60	383	222	60	383
GRAND TOTAL	92,259	66,612	73,474	90,627	62,440	34,262	47,268	48,611	53,874	1,324	835	6,109

1/ Grand total and totals for several countries as reported by Bureau of the Census have in some instances been adjusted by FAS on basis of shipments under various programs as reported by program operations offices. 2/ Includes Newfoundland and Labrador. 3/ Shipped mostly under Titles I and IV, P.L. 480. 4/ Shipped under Title I. 5/ Seven million pounds reported by the Bureau of Census as condensed milk, were included with evaporated milk exports to India, as reported by program office. 6/ All under AID Program. 7/ Of which 28.9 million pounds shipped under Title I and 14.8 million pounds under AID Program. * Preliminary.

Table 5.--Dairy Products(malted milk, compounds, infant and dietetic foods): U. S. exports by country of destination, annual 1961-63*

Country of destination	Malted milk compounds and mixes			Infant and dietetic foods(milk basis)		
	1961	1962	1963	1961	1962	1963
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.
NORTH AMERICA:						
Canada	38	74	-	1,599	901	246
Mexico	85	51	57	567	1,215	1,640
Guatemala	48	39	45	466	422	371
El Salvador	15	1	5	233	282	235
Honduras	15	32	27	196	17[illegible]	228
Nicaragua	7	3	2	201	204	197
Costa Rica	1	7	6	308	256	201
Panama, Republic of	108	108	72	607	680	577
Panama Canal Zone	3	1	2	19	4	-
Cuba	-	-	-	-	-	-
Dominican Republic	14	34	44	117	277	421
Haiti	14	18	9	86	71	60
Netherlands Antilles	83	86	99	108	59	46
Jamaica	61	45	41	87	187	254
SOUTH AMERICA:						
Colombia	-	2	3	95	186	697
Ecuador	15	1	5	328	351	321
Peru	5	2	1	285	343	440
Bolivia	10	6	14	54	68	66
Chile	2	-	2	47	105	121
Venezuela	81	41	11	5,545	4,918	3,236
Uruguay	-	-	-	65	68	61
Argentina	-	-	-	-	19	116
EUROPE:						
United Kingdom	1	-	2	60	59	17
Belgium	56	62	60	274	34	20
Germany, West	14	10	4	32	15	10
Italy	-	-	1	415	4	49
Greece	-	3	3	119	103	125
ASIA:						
Lebanon	-	1	7	126	66	82
Arabian States	3	1	1	121	115	146
Iraq	32	-	2	177	316	207
Iran	5	2	3	160	287	278
India	1	-	-	44	16	1
Burma	-	8	6	3	28	18
Singapore	13	6	8	175	177	260
Ceylon	428	498	700	185	265	265
British Malaya	3	12	11	185	226	225
Thailand	-	16	7	309	197	132
South Viet Nam	82	164	37	302	1/ 688	1/ 566
Hong Kong	41	51	16	251	242	312
Taiwan	1	1	-	336	2/ 443	3/ 279
Indonesia	-	1	-	168	-	8
Philippines, Republic of	1,390	486	876	3,191	800	1,328
Japan	89	14	22	7	397	2,309
AFRICA:						
Egypt	-	-	-	397	126	473
Union of South Africa	8	4	4	465	657	632
Mozambique	11	3	4	2	1	-
ALL OTHERS	146	184	65	617	776	1,240
GRAND TOTAL	2,925	2,078	2,282	19,134	16,819	18,516

1/ Mainly under AID Program. 2/ Includes 218,000 pounds under AID Program. 3/ Includes 26,000 pounds under AID Program.
* Preliminary.

Table 6.-DAIRY PRODUCTS: U. S. exports by category, quantity and value, 1961-63*1/

Item	Quantity			Value 2/		
	1961	1962	1963	1961	1962	1963
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 dols.	1,000 dols.	1,000 dols.
Milk and Cream, fresh	6,493	6,725	9,617	994	1,032	1,274
Butter 3/	6,663	35,437	194,718	4,359	14,092	4/69,077
Cheese, all types	8,821	19,614	33,592	4,616	6,282	10,626
Milk, Processed:						
Condensed sweetened	47,286	48,611	53,874	11,078	11,211	5/13,004
Evaporated	92,259	66,612	73,474	14,642	10,115	5/ 8,642
Dried whole milk	15,609	13,723	29,879	9,655	7,556	12,809
Nonfat dried milk	740,014	823,013	1,218,495	72,518	75,080	6/102,609
Milk products, processed:						
Infants' and dietetics; chiefly milk base	19,134	16,819	18,516	12,980	7/10,511	8/10,288
Malted milk compounds and mixtures	2,929	2,078	2,282	1,604	1,028	1,337
Ice Cream powder mixes	455	404	432	219	216	236
Casein (inedible)	174	161	133	150	149	101
Dairy products, n.e.c.	6,666	11,420	9,675	1,192	1,299	1,261
Total value	-	-	-	134,007	138,571	231,264
	Million pounds	Million pounds	Million pounds			
Milk equivalent of total exports	739	1,369	4,897			

1/ Includes shipments for relief and charity under P.L. 480. 2/ Based on unit values reported by Bureau of Census, U. S. Dept. of Commerce. 3/ Includes butter equivalent of anhydrous milk fat, butter oil and ghee. 4/ Includes $41 million estimated export value of approximately 118 million pounds of butter products shipped for relief and charity, not reported by Commerce. 5/ Total value reported by the Bureau of Census for exports of evaporated and condensed milk respectively; minor adjustment has been made in quantity figures, based on reported shipments by programs. 6/ Includes $8.5 million estimated export value of approximately 100 million pounds of nonfat dry milk. 7/ Includes $0.5 million estimated export value of 833,000 pounds of infant and dietetic food shipped for relief and charity, not reported by Commerce. 8/ Includes $285,000 estimated export value of 515,000 pounds of infant and dietetic food shipped for relief and charity, not reported by Commerce.

Table 7.--Dairy Products: U. S. imports by category, quantity and value, 1961-63*

Item	Quantity			Value		
	1961	1962	1963	1961	1962	1963
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 dols	1,000 dols	1,000 dols.
Canned milk	1,163	73	614	63	10	90
Whole milk, dried	3	8	6	1	2	1
Skimmed milk, dried	2,159	1,360	1,950	172	100	158
Buttermilk, dried	484	404	634	40	31	59
Malted milk compounds, dried	21	6	14	6	2	5
Butter	861	789	746	391	368	361
Cheese, all	75,818	77,612	83,036	35,599	36,345	37,255
Swiss	11,203	12,518	11,693	6,079	6,668	6,063
Gruyere	4,627	4,805	4,831	2,630	2,753	2,711
Romano	1,989	2,607	3,163	614	785	882
Pecorino	14,877	17,972	17,553	8,789	9,238	9,019
Reggiano and Parmesano	1,747	1,905	2,631	596	583	1,165
Provoloni and Provolette	4,031	4,558	4,305	2,283	2,601	2,622
Roquefort	2,271	2,392	2,040	1,882	2,006	1,716
Cheddar	1,677	2,544	3,157	538	775	969
Blue Mold	3,821	4,363	3,910	1,815	2,157	1,941
Edam and Gouda	7,329	6,687	7,489	3,096	2,921	3,279
All other cheese including processed not listed above	22,245	17,262	22,263	6,977	5,490	6,888
Casein, dried	101,827	95,575	85,621	18,063	17,284	15,386
Lactose, dried	611	392	489	77	53	57
Total value	-	-	-	54,412	54,195	53,372

*Preliminary.

Table 8.-Butter and cheese: Imports by country of origin, annual 1961-1963*

Country of destination	Butter			Cheese		
	1961	1962	1963	1961	1962	1963
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.
NORTH AMERICA:						
Canada	-	-	-	575	498	592
SOUTH AMERICA:						
Argentina	119	-	-	3,008	3,422	4,944
Brazil	-	-	-	-	-	17
EUROPE:						
Denmark	201	218	177	9,060	10,218	9,732
Netherlands	130	136	2	6,025	5,329	5,889
United Kingdom	1/	3	-	85	204	365
Portugal	-	-	-	53	53	78
Sweden	3	14	23	90	316	523
Switzerland	-	-	-	11,168	10,863	9,914
Yugoslavia	-	-	-	340	471	371
Austria	-	-	-	1,086	1,038	2,275
Finland	-	-	4	1,836	2,333	2,702
Belgium	-	-		8	53	6
France	-	-	4	2,858	3,140	2,944
Germany, West	-	-	-	590	534	525
Greece	-	-	-	392	228	206
Ireland	-	-	-	38	859	1,253
Italy	-	-	-	21,023	24,340	23,134
Norway	-	-	-	795	707	1,005
Bulgaria	-	-	-	690	820	581
Czechoslovakia	-	-	-	34	93	68
Poland	-	-	-	68	103	166
OCEANIA:						
Australia	3	2	122	145	1,400	5,952
New Zealand	405	416	414	15,727	10,473	9,692
OTHERS	-	-	-	124	117	102
TOTAL	861	789	746	75,818	77,612	83,036

1/ Less than 500 pounds.
* Preliminary.

Table 9.--Cheese: Imports by variety and country, annual 1959-63 *

Variety and country of origin	1959	1960	1961	1962	1963
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Cheddar:					
Canada 1/	395	512	528	473	524
Denmark	1	5	1	--	2
Sweden	1	7	6	6	7
New Zealand	1,733	2,752	1,123	2,065	2,604
United Kingdom	17	--	1	--	--
Others	7	1	18	--	20
Total	2,154	3,277	1,677	2,544	3,157
Swiss: 2/					
Austria	619	752	1,078	1,030	1,284
Belgium-Luxembourg	17	47	4	7	--
Denmark	901	1,407	1,792	2,926	2,595
Finland	2,227	1,742	1,811	2,327	2,575
France	5	6	5	10	18
Germany, W.	157	67	111	126	62
Italy	6	26	102	19	43
Netherlands	522	68	188	60	60
Norway	1	--	11	23	154
Sweden	--	31	3	19	13
Switzerland	11,463	10,439	10,657	10,681	9,590
Others	--	100	68	95	130
Total	15,918	14,685	15,830	17,323	16,524
Pecorino:					
Bulgaria	--	270	642	491	575
Greece	51	139	229	175	203
Italy	13,652	13,325	13,767	16,847	16,362
Yugoslavia	167	81	130	397	346
Argentina	101	61	57	5	--
Others	21	53	52	57	67
Total	13,992	13,929	14,877	17,972	17,553
Roquefort:					
France	2,264	2,092	2,271	2,390	2,040
Others	11	3	--	2	--
Total	2,275	2,095	2,271	2,392	2,040

See footnotes at end of table.

Continued ---

Table 9.--Cheese: Imports by variety and country of origin, annual 1959-63 *

Variety and country of origin	1959	1960	1961	1962	1963
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Romano:					
Italy	56	50	22	10	13
Argentina	1,623	1,475	1,967	2,588	3,139
Others	--	1	--	--	11
Total	1,679	1,526	1,989	2,607	3,163
Parmesano and Reggiano:					
Italy	900	1,001	1,140	1,230	1,170
Argentina	1,126	431	597	623	1,461
Others	23	--	10	53	--
Total	2,049	1,432	1,747	1,906	2,631
Edam and Gouda:					
Denmark	430	625	1,053	947	996
Netherlands	4,320	4,869	5,676	5,112	5,647
Norway	160	214	227	230	260
Switzerland	1	4	--	5	10
Argentina	176	225	286	156	274
Sweden	35	31	29	78	80
Portugal	4	5	6	6	3
Italy	--	7	45	--	--
Ireland	--	--	--	--	125
Others	33	14	7	153	94
Total	5,159	5,994	7,329	6,687	7,489
Blue Mold:					
Switzerland	--	7	--	7	6
Germany, W.	47	7	54	5	20
Denmark	3,917	3,947	3,546	4,185	3,612
France	18	12	7	2	--
Italy	115	145	144	119	112
Norway	53	26	21	8	74
Sweden	21	11	9	12	35
United Kingdom	13	24	27	21	51
Others	--	20	13	4	--
Total	4,184	4,199	3,821	4,363	3,910
Provolone and Provolette:					
Italy	4,026	4,011	4,031	4,557	4,284
Argentina	36	11	--	1	2
Others	--	3	--	--	19
Total	4,062	4,025	4,031	4,558	4,305

See footnotes at end of table.

Continued ----

Table 9.--Cheese: Imports by variety and country, annual 1959-63* - Concluded

Variety and country of origin	1959	1960	1961	1962	1963
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Other Cheeses: 3/					
Austria	29	20	--	5	991
Canada	49	61	47	25	67
Belgium-Luxembourg	50	6	2	2	3
Bulgaria	86	330	47	329	6
Denmark	2,588	2,369	2,655	2,155	2,518
Finland	87	40	25	6	127
Germany, W.	303	413	422	374	369
Greece	104	120	163	53	3
Italy	4,086	2,700	1,771	1,493	1,149
Netherlands	154	152	162	152	182
Norway	424	471	520	446	517
Portugal	33	46	47	47	64
Sweden	148	29	41	201	387
Switzerland	124	252	512	170	307
United Kingdom	61	112	55	177	300
Yugoslavia	185	246	210	75	24
Argentina	224	250	101	49	70
New Zealand	3,092	3,744	14,605	8,406	7,088
France	326	428	574	738	883
Australia	--	--	128	1,400	5,933
Others	132	196	158	960	1,275
Total	12,385	11,985	22,245	17,263	22,263

* Preliminary.

1/ Includes Newfoundland and Labrador.

2/ Includes Ementhaler with eye-formation and Gruyere process cheese.

3/ Includes Colby cheese.

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Table 10.--Casein: Imports by country of origin, annual 1959-63*

Country of Origin	1959	1960	1961	1962	1963
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Canada 1/	840	1,922	6,744	11,459	12,396
Azores	308	462	299	200	141
Denmark	55	11	2	-	-
France	388	1,281	6,393	3,274	3,038
Germany, West	1,263	1,932	1,592	1,319	352
Netherlands	2,703	2,524	1,599	2,045	1,635
Norway	669	412	686	900	995
Poland	8,976	7,781	12,493	8,281	935
Portugal	176	-	38	-	29
U.S.S.R.	-	-	441	-	-
Argentina	44,926	48,345	38,810	37,814	34,330
Brazil	1,371	197	92	349	94
Uruguay	771	308	2,151	1,763	3,681
Australia	10,820	8,698	12,048	15,996	14,977
New Zealand	21,152	18,101	18,273	11,703	12,530
Others	41	181	167	472	488
Total	94,459	92,153	101,828	95,575	85,621

1/ Includes Newfoundland and Labrador.
*Preliminary.

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MILK PRODUCTION AND UTILIZATION IN PRINCIPAL PRODUCING COUNTRIES IN 1963

Production

Milk production in the 18 major producing countries in 1963 increased less than 1 percent over 1962. Production in these countries, which accounts for approximately 60 percent of estimated total world output, was 402 billion pounds, compared with 401 billion pounds in 1962.

In Western Europe, represented by 14 countries, conditions for dairying were generally favorable, and milk production was up 1 percent. Output in France, Western Europe's largest milk-producing country, set a new record. This was due primarily to improved breeding practices and to the unusually mild fall, which enabled farmers to keep their animals on pasture almost to the end of the year. In Western Germany, favorable grazing conditions and a good harvest of roughages and feed beets, together with slight increases in dairy cow numbers and in higher output per cow, raised milk production well above the 1962 level.

Finland also had a bigger output, mainly because of a larger feed and forage crop and a slight increase in cow numbers. In Austria, cow numbers were down but yields were up, and milk production was at a record level.

Milk production was down in Denmark, where cow numbers continued to decline despite higher prices for milk. Because of the shortage of labor, many farmers were forced to sell their cows and to turn to grain and hog production. In addition, milk production was affected by the very long, cold winter which delayed grass production significantly during the spring and early summer.

In Italy, milk production was below the 1962 level. The decline was attributed to such factors as the drought during 1962 which restricted feed and forage supplies and forced the sale of milk cows, a shortage of farm labor, higher wages, and the generally higher production costs.

The steady increase in milk production in the Netherlands, evident over the past several years, ended in 1963. The severe winter brought about feed shortages, which affected yields and resulted in a reduction in the size of the herds through heavy culling for slaughter.

Cow numbers were down in Belgium, and milk production was just under that of 1962. In Sweden, an above-average slaughter of milk cows, prompted by the reduced profitability of dairying during most of the year and by the higher prices for meat, accounted for the lower milk production in 1963. The number of milk cows decreased in Switzerland, and milk production was down slightly. In the United Kingdom, milk production was affected by generally adverse weather conditions and a decline in cow numbers.

Milk cow numbers in Australia were up, continuing the slight upward trend which began in 1959, and milk production showed an appreciable increase. New Zealand also had a larger production, mainly because of a further expansion in the number of dairy cows.

In Canada, cow numbers continued a long-term downward trend. However, yields were somewhat higher and milk production for the year showed a small increase over 1962. In the United States, milk production was down from the record output of a year ago, mainly owing to dry weather, reduced hay supplies, and heavy culling of milk cows.

Use

Moderately larger quantities of milk were used for fluid consumption in 1963 than in 1962. Western Europe as a whole consumed more milk, although in about half of the reporting countries, consumption was at a somewhat lower rate than last year. Fluid use also increased in Australia, New Zealand, Canada and the United States.

Milk for butter production was down about 2 percent. Somewhat less milk was used for this purpose in Western Europe than a year ago. Countries reporting lower milk production also reported less milk being used for butter. These included Denmark, Belgium, the Netherlands, Italy, Sweden, Switzerland and the United Kingdom. Countries showing increased use of milk for butter production were West Germany, France, Finland, Austria, Norway, Ireland and Greece.

In Australia, 64 percent of total milk production went into the manufacture of butter; this was due in part to the larger availability and in part to the better export prospects for butter arising from the increase in Australia's quota for the U. K. market. New Zealand diverted more milk to buttermaking than a year ago in an effort to supply increasing demands in the United Kingdom for New Zealand butter. Both Canada and the United States used less milk for butter in 1963 than a year earlier.

Milk for cheesemaking was up 2 percent. In Western Europe, approximately 1 percent more milk went into cheese than a year ago. Italy, the Netherlands, Norway, and the United Kingdom were the only countries in that area to report reduced use of milk for cheese. In Australia and New Zealand, the amount of milk for cheese was 2 percent below the 1962 level. In Canada and the United States, it was up 5 percent.

There was a slight increase in quantities going into production of canned milk in all reporting countries except the Netherlands and the United States.

The amount of milk channeled into dried whole milk and other products was larger than that of the preceding year. In Western Europe, milk going into these uses was up 6 percent from 1962; Denmark, the Netherlands and Norway were the only West European countries in which milk going into dried whole and other uses was less than that of a year ago. Oceania reported a decline of 9 percent in milk used for these products. Canada used about 5 percent less for drying; the United States, about 3 percent more.

Milk for livestock feeding increased slightly. In Western Europe, about 1 percent more milk was fed than in 1962. In Oceania, milk for feed exceeded the earlier year by 1 percent. Canada and the United States fed about 5 percent less.

COWS' MILK: Production and utilization in specified countries, 1963 (Preliminary) and 1962

Country	Production			Utilization					
	Milk cows	Production per cow	Milk production	Fluid milk 1/	Butter	Cheese	Canned milk	Other uses 2/	Feed
	1,000 head	Pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1963:									
Canada	2,915	6,644	19,367	7,110	8,346	1,675	706	774	756
United States	16,538	7,545	124,783	58,800	31,055	14,836	4,951	12,865	2,276
Austria	1,111	6,084	6,759	2,405	2,017	602	33	520	1,182
Belgium	1,041	8,456	8,803	2,288	4,754	440	177	440	704
Denmark	1,408	7,969	11,221	1,905	6,497	1,717	3/	3/ 661	441
Finland	1,196	6,927	8,285	2,822	4,568	571	0	95	229
France	10,030	5,613	56,296	11,827	21,383	10,124	3/	3/ 2,270	10,692
Germany, West	5,920	7,709	45,640	12,491	23,352	2,722	4/ 2,501	4/ 298	4,276
Greece	453	2,663	1,206	661	170	175	0	0	200
Ireland	1,318	4,869	6,417	1,421	3,347	196	3/	3/ 505	948
Italy 5/	3,300	6,261	22,223	5,766	3,654	7,358	3/	3/ 111	5,334
Netherlands	1,750	8,895	15,567	2,210	5,028	4,437	2,086	1,152	654
Norway 6/	573	6,422	3,726	1,893	1,007	618	3/	3/ 41	167
Sweden	1,254	6,900	8,613	3,142	4,100	875	2	163	331
Switzerland 6/	918	7,428	6,874	2,407	1,250	1,852	3/	3/ 196	1,169
United Kingdom	4,260	6,810	29,010	19,801	2,903	2,496	945	1,114	1,751
Australia	3,262	4,707	15,356	3,310	9,769	1,297	3/	3/ 897	83
New Zealand 7/	1,997	6,013	12,008	1,178	8,379	1,899	3/	3/ 222	330
Total of above countries	59,244	--	402,154	141,437	141,579	53,890	11,401	22,324	31,523
1962:									
Canada	2,956	6,537	19,323	6,963	8,622	1,438	670	813	817
United States	17,050	7,391	126,021	58,000	33,903	14,307	5,015	12,435	2,361
Austria	1,138	5,822	6,625	2,410	2,009	520	24	467	1,195
Belgium	1,048	8,419	8,823	2,295	5,030	352	88	352	706
Denmark	1,464	8,064	11,806	1,854	7,225	1,618	3/	3/ 668	441
Finland	1,182	6,796	8,033	2,912	4,277	529	0	88	227
France	10,032	5,340	53,572	11,259	20,362	9,647	3/	3/ 2,134	10,170
Germany, West	5,894	7,591	44,742	12,527	22,698	2,674	4/ 2,335	4/ 255	4,253
Greece	439	2,584	1,134	616	160	165	0	0	193
Ireland	1,309	4,827	6,318	1,414	3,317	170	3/	3/ 473	944
Italy 5/	3,380	6,283	22,845	5,978	3,806	7,467	3/	3/ 102	5,492
Netherlands	1,751	9,205	16,118	2,289	5,206	4,593	2,160	1,193	677
Norway 6/	592	6,147	3,685	1,847	984	632	3/	3/ 44	178
Sweden	1,294	6,878	8,896	3,130	4,414	851	2	148	351
Switzerland 6/	950	7,224	6,922	2,435	1,318	1,789	3/	3/ 190	1,190
United Kingdom	4,269	6,969	29,751	19,507	3,823	2,692	926	1,052	1,751
Australia	3,230	4,603	14,867	3,277	9,359	1,300	3/	3/ 848	83
New Zealand 7/	1,968	6,015	11,838	1,165	8,202	1,971	3/	3/ 174	326
Total of above countries	59,946	--	401,319	139,878	144,715	52,715	11,220	21,436	31,355

COWS' MILK: Production and utilization in specified countries, 1956-60

Country	Production			Utilization					
	Milk cows	Production per cow	Milk production	Fluid milk 1/	Butter	Cheese	Canned milk	Other uses 2/	Feed
	1,000 head	Pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Canada	3,141	5,667	17,800	6,559	7,707	1,256	715	912	651
United States	18,889	6,538	123,500	58,960	31,011	13,180	5,861	11,679	2,809
Austria	1,144	5,287	6,048	2,392	1,855	389	8	281	1,123
Belgium	997	8,345	8,320	2,035	5,219	169	108	77	712
Denmark	1,437	8,095	11,633	1,734	7,349	1,447	3/	3/ 603	500
Finland	1,137	6,260	7,118	2,797	3,600	476	0	51	194
France	9,402	4,896	46,037	9,774	17,853	8,230	3/	3/ 1,304	8,876
Germany, West	5,624	7,042	39,604	12,346	18,915	2,248	4/ 1,798	4/ 212	4,085
Greece	357	2,244	801	448	112	84	0	0	157
Ireland	1,246	4,794	5,973	1,256	3,431	74	3/	3/ 363	849
Italy 5/	3,584	5,459	21,167	5,835	3,605	6,200	3/	3/ 82	5,445
Netherlands	1,540	8,982	13,833	2,622	4,161	3,946	1,573	821	710
Norway 6/	618	5,765	3,614	1,689	743	691	3/	3/ 89	402
Sweden	1,366	6,337	8,657	3,175	4,039	847	8	148	440
Switzerland 6/	910	7,089	6,518	2,364	1,280	1,637	3/	3/ 155	1,082
United Kingdom	3,886	6,810	26,463	18,128	2,150	2,417	938	1,067	1,763
Australia	2,528	5,540	14,005	2,992	9,156	960	3/	3/ 815	82
New Zealand 8/	1,956	5,961	11,660	1,054	8,306	1,825	3/	3/ 149	326
Total of above countries	59,762	--	372,751	136,160	130,492	46,076	11,009	18,808	30,206

1/ Includes milk used for cream. 2/ Includes milk used for ice cream, dried whole milk, minor products, waste and balance, unless otherwise indicated. 3/ Canned milk included with other uses. 4/ Dried milk included with canned milk. 5/ Production and utilization include sheep and goat milk. 6/ Production and utilization include goat milk. 7/ Years ending May 31. 8/ Years ending June 30.

Foreign Agricultural Service. Compiled from reports of U. S. Agricultural Attaches and Foreign Service Officers, official government statistics, results of office research and related information.

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Dairying
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June 1964

WORLD OUTPUT OF DAIRY PRODUCTS, 1963

Overall world production of manufactured dairy products (milk equivalent - fat basis) in the major dairy countries in 1963 was practically unchanged from 1962.

In Western Europe as a whole, conditions for milk production were generally favorable and milk production increased slightly over the earlier year. In France, milk production reached a new record. The significant increase in milk production in Western Germany was attributable to higher yields from larger milk cow numbers. In Ireland and Norway, yields were up and total milk production showed a gain over the preceding year.

Milk production in Denmark declined below the 1962 level. Cow numbers were down and yields were smaller, reflecting the difficulties Danish farmers experienced with inadequate farm labor and short roughage supplies in the first half of the year. In the Netherlands, the lower milk production was the result of adverse weather, feed shortages and heavy culling. Cow numbers were down and milk production declined in Sweden and Switzerland. Dry weather caused below-normal pasture conditions in the United Kingdom and heavy culling of stock.

Increased milk production in Australia and New Zealand was attributable largely to the higher number of milk cows.

Production in Canada showed little change from 1962, where yield per cow was up, but dairy cow numbers were down. In the United States, although the average yield set a record, cow numbers were smaller, and milk production was just under that of 1962.

Creamery butter production declined 2 percent. Output in Western Europe was down slightly, in spite of increases in several countries of that area. In Western Germany, more milk was delivered to dairy plants for processing into dairy products than in 1962. Butter took about 66 percent of these manufacturing supplies. In France, utilization of milk for butter was higher than that of the preceding year. Large quantities from the record milk production in Norway were used in the manufacture of creamery butter. In Switzerland and Ireland, production showed little change from the preceding year.

Denmark reported a sharp decline in the output of butter, in part because of reduced supplies and in part increased cheese production. In the Netherlands and Sweden, smaller quantities of milk for processing plants curtailed butter production. In Belgium, also, less milk was used for butter. This was the result of the program of the Belgian Ministry of Agriculture and the National Milk Office whose aim was to promote production of other dairy products. An increase in fluid milk consumption in the United Kingdom left less milk for manufacturing purposes; there was a sharp decline in the amount going into the making of butter.

In Australia, production was the highest for some years, resulting in larger availability of milk for processing and better export prospects arising from the increase in quotas for the United Kingdom market. Production was up in New Zealand, where more milk was diverted to buttermaking. In Canada and the United States, other dairy products took more milk than in 1962, and less butter was produced.

Cheese production in factories was up 2 percent. In Western Europe, output increased 3 percent. Production was up in France, where milk available for processing into dairy products exceeded that of the earlier year. In Denmark, production increased 6 percent. Switzerland and Sweden also produced more cheese in 1963.

In the Netherlands and the United Kingdom, production declined, since less milk was available for this product than a year earlier.

In Australia, large cheese stocks held during the early part of the year, and prospects of limited export opportunities, caused the industry to reduce cheese production slightly. In New Zealand, it was down significantly, owing to the conversion of some factory units from cheese to butter. This was the result of the policy of the New Zealand Dairy Board in its efforts to meet the increasing demands by the United Kingdom for New Zealand butter.

During early 1963, the Canadian Government raised the premium on the portion of manufacturing milk used for making Cheddar cheese, and output rose considerably over that of 1962. Production in the United States showed a substantial increase.

Canned milk (condensed and evaporated) production was up 2 percent. Both West Germany and the Netherlands reported total canned milk manufacture well above that of 1962; France and the United Kingdom reported less. In Australia, production of all types of canned milk was at a higher level. In Canada, canned milk -- most of which is evaporated -- was produced in larger quantities than a year ago. In the United States, because of a decline in production of evaporated milk, overall output was below 1962.

Dried milk production (mostly nonfat dry milk) was up 2 percent. In Western Europe, represented by 7 countries, output increased 8 percent. Production in France and Western Germany showed a marked gain over a year ago. In Sweden, more milk was made available for dried whole milk, production of which was sufficient to offset a decline in nonfat dry milk.

Total dried milk output was heavier in Switzerland and Belgium. In the United Kingdom, production was down, largely because of a sharp reduction in the manufacture of nonfat dry milk.

Australia produced more dried milk in 1963 than in 1962. New Zealand reports only nonfat dry milk, output of which increased substantially over last year. Canada and the United States produced smaller quantities of both dried whole and nonfat dry milk than in 1962.

Conditions Abroad

Denmark: The present high prices of milk and a good roughage supply, together with a more intensive use of concentrates, may stimulate milk production during the first half of 1964.

The Netherlands: The outlook for increased production in 1964 is not bright as a consequence of the lower number of milk cows and, at the same time, possible inducements for further reduction which may be found in relatively high feed costs and attractive prices for slaughter animals.

Sweden: Cow numbers are expected to decline further in 1964. Milk production probably will be much the same as in 1963, should the above-normal slaughter of milk cows continue because of reduced profitability and higher meat prices.

Argentina: Grazing conditions deteriorated somewhat in January and February, because of hot, dry weather. However, abundant rains over most of the Pampas since then should help to provide adequate pastures. A slight rise in milk production in 1964 is anticipated.

Australia: Recent weather reports indicate that dairy production in Victoria, Queensland and New South Wales, the principal dairying States, has been declining, as a consequence of hot weather and dry conditions.

New Zealand: The rains experienced in most areas in late February and early March have been followed by good pasture growth, and indications are that production should remain at high levels until the end of the season.

FACTORY DAIRY PRODUCTS: Output in
principal producing and exporting countries, 1962 and 1963 (Preliminary)

Country	1962		1963		ANNUAL		1963 compared with 1962
	January through June	July through December	January through June	July through December	1962	1963	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Percent
	BUTTER						
Canada	161,881	203,791	111,373	244,724	365,672	356,097	97
United States	887,862	646,683	817,805	583,395	1,534,545	1,401,200	91
Belgium	-	-	-	-	122,362	112,152	92
Denmark	198,193	169,534	174,824	154,102	367,727	328,926	89
Finland	105,263	100,190	-	-	205,453	-	-
France	280,246	246,653	320,767	291,891	526,899	612,658	116
Germany, West	520,636	469,243	546,004	479,810	989,879	1,025,814	104
Ireland	46,301	64,082	44,455	1/ 66,094	110,383	1/ 110,549	100
Netherlands	109,205	114,619	106,035	102,141	223,824	208,176	93
Norway	24,599	14,892	25,726	14,440	39,491	40,166	102
Sweden	103,043	96,826	96,680	89,655	199,869	186,335	93
Switzerland	40,175	36,104	43,910	32,590	76,279	76,500	100
United Kingdom	74,592	58,912	61,152	35,616	133,504	96,768	72
Argentina	60,581	49,629	65,164	1/ 48,946	110,210	1/ 114,110	104
So. Africa, Rep. of	52,902	46,793	-	-	99,695	-	-
Australia	169,113	267,872	182,979	274,018	436,985	456,997	105
New Zealand	165,654	305,449	173,059	315,282	471,103	488,341	104
	CHEESE						
Canada 2/	49,084	68,196	54,734	82,317	117,280	137,051	117
United States	840,093	744,677	847,557	779,943	1,584,770	1,627,500	103
Denmark	135,142	117,726	140,212	128,088	252,868	268,300	106
France	431,654	385,150	430,283	472,501	816,804	902,784	110
Netherlands	225,381	246,939	216,756	228,670	472,320	445,426	94
Norway	51,943	41,898	52,751	41,132	93,841	93,883	100
Sweden	63,642	57,294	64,346	58,926	120,936	123,272	102
Switzerland	70,864	80,372	73,393	80,929	151,236	154,322	102
United Kingdom 3/	153,664	97,888	136,416	98,112	251,552	234,528	93
Argentina	158,632	128,166	164,550	1/ 119,525	286,798	1/ 284,075	99
So. Africa, Rep. of	16,317	16,253	-	-	32,570	-	-
Australia	43,998	83,065	46,641	79,721	127,063	126,362	99
New Zealand	88,444	140,926	77,293	130,433	229,370	207,726	91
	CANNED MILK						
Canada 4/	156,731	154,003	164,563	163,878	310,734	328,441	106
United States 5/	1,044,653	957,243	1,037,930	910,440	2,001,896	1,948,370	97
France	141,520	102,970	110,765	127,111	244,490	237,876	97
Germany, West	502,120	433,329	545,865	453,339	935,449	999,204	107
Netherlands	535,050	424,202	569,754	422,373	959,252	992,127	103
United Kingdom	227,584	178,752	221,536	180,096	406,336	401,632	99
Argentina	6,720	6,942	8,162	1/ 11,813	13,662	1/ 19,975	146
Australia 6/	56,828	101,690	69,947	115,555	158,518	185,502	117
	DRIED MILK 7/						
Canada 8/	100,973	114,629	97,358	100,615	215,602	197,973	92
United States 8/	1,351,397	983,764	1,314,800	922,700	2,335,161	2,237,500	96
Belgium	-	-	-	-	120,217	125,201	104
France	-	-	-	-	313,053	417,992	134
Germany, West	70,556	187,724	182,413	137,732	258,280	320,145	124
Netherlands	146,609	108,856	137,360	99,463	255,465	236,823	93
Sweden	43,303	31,894	43,898	33,587	75,197	77,485	103
Switzerland	-	-	-	-	50,044	53,572	107
United Kingdom	124,768	95,872	101,024	66,976	220,640	168,000	76
Argentina	16,304	15,067	16,948	-	31,371	-	-
Australia	41,681	84,849	49,905	85,726	126,530	135,631	107
New Zealand 9/	19,694	77,993	36,071	87,842	97,687	123,913	127

1/ Estimated. 2/ Cheddar cheese only. 3/ Total cheese production. 4/ Both bulk and case goods. 5/ Evaporated whole and condensed whole case goods only. 6/ Includes mixtures of full cream and skim milk, mixtures of full cream, skim and buttermilk, and "coffee and milk." 7/ Dried whole milk and nonfat solids production. 8/ Includes dried milk for animal feeding. 9/ Nonfat dry milk production only.

Foreign Agricultural Service. Compiled from reports of U.S. Agricultural Attaches and Foreign Service Officers, Official Government Statistics, results of office research and related information.

DRIED MILK: Output in principal producing and exporting countries 1962 and 1963 (Preliminary)

Product and country	TOTAL 1962	TOTAL 1963	1963 compared with 1962
	Thousand pounds	Thousand pounds	Percent
Dried whole milk:			
Canada	23,310	21,907	94
United States	79,090	78,700	100
Belgium	41,850	54,608	130
France	39,903	11,905	30
Germany, West	39,024	42,456	109
Netherlands	113,370	108,149	95
Sweden	18,078	21,094	117
Switzerland 1/	50,044	53,572	107
United Kingdom	55,776	55,552	100
Australia	39,055	40,544	104
Nonfat dry milk:			
Canada 2/	192,292	176,066	92
United States 3/	2,256,071	2,158,800	96
Belgium	78,367	70,593	90
France	273,150	406,087	149
Germany, West	219,256	277,689	127
Netherlands	142,095	128,674	90
Sweden	57,119	56,391	99
United Kingdom	164,864	112,448	68
Australia	87,475	95,087	109
New Zealand	97,687	123,913	127

1/ Total dried milk production. 2/ Approximately 1.8 to 2.0 million pounds of animal feed included in production data. 3/ Includes dry milk for animal feeding.

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January 1964

NORMAN PAULHUS NAMED F A S ACTING DAIRY AND POULTRY DIRECTOR

Norman G. Paulhus, long active in the field of poultry marketing, has been designated Acting Director of the Dairy and Poultry Division of the U.S. Department of Agriculture's Foreign Agricultural Service, succeeding Eugene T. Ransom, who is transferring to another position in the Department.

Mr. Paulhus will have primary responsibility for the development and conduct of programs to expand commercial exports of U.S. poultry and dairy products, and U.S. cattle breeding stock. He will also be responsible for economic reporting and analysis relating to competitive pricing in world markets; and for preparing information on tariff and other trade barriers affecting access of U.S. dairy and poultry products to foreign markets.

The new Acting Director has been a special service representative for the Southern Crate and Veneer Company of Macon, Georgia, manufacturer of poultry packages. From 1955 to 1957 he was a poultry specialist with the International Cooperation Administration in British Guiana.

From January 1946 to April 1955 he was a market research analyst with the Transportation and Facilities Branch of USDA's Agricultural Marketing Service, responsible for the planning and development of terminal and secondary poultry marketing facilities.

After receiving a B.S. degree in poultry husbandry from the University of Connecticut, Mr. Paulhus joined the Bureau of Markets of the Connecticut Department of Agriculture. He obtained an M.S. degree in poultry marketing at the University of Maryland in 1940 and a Ph.D. in 1947.

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PER CAPITA CONSUMPTION OF DAIRY PRODUCTS, 1961 and 1962

Summary

In 1962, average per capita consumption of milk and dairy products(whole milk equivalent-fat basis) was up 7 pounds, to a total of 731 pounds,in the 17 major commercial producing countries of the world. With the exception of five countries,changes in consumption moved in the same direction as did changes in per capita production.

Per capita consumption of fluid milk and cream declined moderately in 1962, when compared with 1961. However, total consumption of these two items increased slightly. The gain in total consumption was not sufficient to offset the rate of population growth, thus per capita use continued to decline. Consumption of butter and cheese increased. Consumption of these two items is more responsive to changes in incomes and/or in prices than is fluid milk. Increased per capita consumption of butter and cheese in 1962 reflects reasonably stable product prices and higher incomes in most of the developed countries. Total and per capita consumption of dried whole milk, a substitute for fresh milk, continued to decline as improved marketing systems in these countries made fluid milk more accessible to a larger share of the population.

Per capita consumption of canned milk declined. Total consumption increased slightly, but the increase was not sufficient to match the rate of population growth.

Finland ranked as the leading per capita consumer of dairy products, replacing Ireland which moved into second place. New Zealand continued as the third largest consumer. These three countries rely on dairy products to meet over 40 percent of their dietary fat requirements. In Finland and Ireland, fluid milk is also a major source of protein. Cheese plays an important role in supplementing meat consumption in both the Netherlands and Italy, which rank first and second respectively in per capita cheese consumption. The Netherlands, the world's leading exporter of canned milk, is also the leading per capita user of this product, and Belgium continued to rank first in per capita use of dried milk.

Milk Production

Although per capita milk production in 1962 declined in a majority of the 17 reporting countries, total production increased to 400 billion pounds, from 395 billion pounds in 1961. Italy was the only country to report a decrease in total output in 1962. Average per capita milk production declined from 829 pounds in 1961 to 824 pounds.

Consumption of dairy products, milk equivalent basis, 1962

Total consumption of all milk products increased from 345 billion pounds in 1961 to 355 billion pounds in 1962. This increase of about 3 percent represents a substantial expansion in total consumption. With the exception of canned milk, all major dairy items shared in this expansion. Fluid milk consumption increased by 1.4 percent from 148 billion pounds, to 150 billion pounds and accounted for 42 percent of the total dairy products utilized by consumers. Butter, the second most important dairy product, accounting for 40 percent of total consumption, increased by about 4 percent from 135 billion pounds to 141 billion pounds. Cheese, the third most important product, accounting for 14 percent of total milk consumption, increased by 4 percent from 49 billion pounds to 51 billion pounds. Consumption of minor dairy products including canned milk declined by 5.5 percent, while dried milk consumption, mostly nonfat solids, increased by about 16 percent.

Per Capita Consumption

Fluid milk--Despite an increase in total fluid milk consumption, per capita use continued to decline because population growth exceeded the rate of gain in fluid milk consumption. As in the previous year, nine countries again reported a decline in fluid milk consumption. One of the major factors affecting milk use in the more economically advanced countries was the change in consumers'dietary habits. With few exceptions, changes in the price of fluid milk and/or incomes of consumers have little effect on fluid milk consumption in most countries.

Butter--Average per capita consumption of butter increased from 12.7 pounds in 1961 to 13.0 pounds in 1962. Butter consumption in most Western countries is strongly influenced by price differentials between butter and margarine. Lower butter prices and stable margarine prices tend to shift consumer's purchasing away from margarine to butter. Increased incomes also affect butter consumption, because of traditional consumer preference in most countries for butter over margarine. The low per capita consumption of butter in the United States is in large part caused by the higher consumption of cooking oils, including lard and shortening, which run approximately 50 percent above consumption levels for these products in Western Europe. Fourteen countries reported increases in per capita consumption, three declines. The increase in total consumption was caused mainly by substantial rises in the more populous countries -- West Germany, France, the United Kingdom, Italy and Canada -- more than sufficient to offset declines in the United States and the smaller countries of Switzerland and New Zealand.

In the United Kingdom, butter consumption increased despite the fact that butter imports and domestic production in 1962 were smaller than in 1961, and butter prices in 1962 were generally higher. Per capita consumption of margarine, at 13.1 pounds, was the lowest since 1939. In West Germany, total butter consumption increased substantially over 1961, in spite ofhigher prices. Continued full employment and rising incomes contributed substantially to the higher consumption of butter. The sharpest increase in per capita use occurred in Finland and in Canada, where consumption was up 3.5 and 1.4 pounds respectively. The consumer subsidy for butter which the Canadian government introduced in May, 1962, was effective in halting the downward trend in per capita butter use which began in the early 1950's. In Finland, export opportunities were substantially reduced in 1962 by the United Kingdom's implementation of an import quota system and consequently a larger percentage of Finland's total butter output was offered on the domestic market. Other countries which reported substantial increases in per capita use were: Australia, Sweden, the Netherlands, Ireland, Italy, and Austria.

Although per capita consumption of butter in New Zealand declined slightly in 1962, it remained the highest in the world. This is largely attributable to: (a) low prices (subsidized so that the product retails at 28 cents per pound); and (b) unavailability of margarine for use as a spread. This situation encourages the use of butter not only as a spread but also as a cooking fat. In the United States, the downward trend in consumption of butter, in evidence for several years, continued through 1962.

Cheese--In most advanced countries where cheese consumption has not already reached a high per capita level, increased incomes have tended to expand consumption. Increased per capita consumption in the U. S., Canada, and the United Kingdom can be attributed in part to expanding demand for high protein foods, generally. Increased cheese consumption in France reflected a significant expansion in production as well as an expanding demand, which led to sizeable imports of speciality cheeses. Austria, Finland, Denmark, Ireland, the Netherlands and Sweden also increased cheese consumption in large part because of increases in domestic production. In Italy, a reduction in the quantity of milk available for cheese production had a downward effect on consumption, in that the deficit in domestic output was only partially offset by larger imports.

Condensed and evaporated milk--Total consumption of canned milk (including canned skim milk) in the 12 countries for which data is available, totaled 5.4 billion pounds in 1962, up 0.5 percent from 1961. However, average per capita consumption declined to 11.1 pounds as the slight increase in total consumption was not sufficient to match the rate of population growth. Six countries reported increases in per capita use; five declines, and one, no change. The Netherlands, the world's largest exporter, remained the leading per capita user of canned milk followed by Canada, the United States, and West Germany. Both the United States and Canada again reported declines in per capita consumption of canned milk, especially a decrease in consumption of evaporated milk.

Dried milk--Total consumption of dried (whole and skim) remained at 2.2 billion pounds, showing practically no change from 1961. Seven of the 14 reporting countries registered gains, two, no change; and five, declines.

Belgium, Finland, Sweden, and Switzerland reported increased utilization in 1962, while the United States, Canada, and Australia showed substantial declines in both total consumption and per capita use of dried milk, principally skim milk.

Indicated changes in 1963.

Present indications are that consumption of dairy products registered significant gains in 1963. While milk production in 1963 in many of the principal producing countries was down from the level which prevailed a year earlier, large stocks of butter and cheese available in North America and France made it possible to maintain consumption at a high level.

Reflecting the decline in milk production, output of butter was about 3 percent lower, while cheese production increased moderately. Increased output of cheese in several countries was caused by a conscious effort to divert milk from butter to cheese. Butter consumption in 1963 apparently continued at about the high level established a year earlier, in spite of price increases which were partially offset by increasing incomes, particularly in the United Kingdom and West Germany. Continuation of the consumer subsidy in Canada resulted in increased consumption in that country in 1963. This high level of butter consumption in 1963 reduced world stocks to a very low level. Per capita butter consumption in the United States will show a decline to 7.0 pounds, continuing its long-run downward trend.

World cheese consumption continued to rise. The United States increased its per capita use to a new record high of around 9.3 pounds per person. Higher levels of consumption are also expected to be reported for the U. K. and Canada. Moderate increases in consumption took place in France, Italy and the Netherlands. World consumption of canned milk in 1963 remained stable at about the level established in 1962, while world consumption of dried milk showed a moderate increase because of expanded consumption of nonfat dry milk in the United States -- the world's largest market.

TABLE 1.--MILK AND DAIRY PRODUCTS: Per capita production and consumption in 17 countries, 1961 and 1962 1/

Country	Production of fluid milk		Consumption											
			Total consumption in milk equivalent 2/		Fluid milk and cream		Butter		Cheese		Canned milk		Dried milk	
	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Austria	904	929	672	690	330	327	10.9	11.6	7.3	7.5	1.0	1.2	2.1	2.7
Belgium	933	949	872	882	235	240	18.7	18.8	13.4	12.8	5.9	6.5	9.2	11.1
Denmark	2,647	2,547	1,002	994	395	382	23.5	23.7	19.3	19.6	3/	3/	3/	3/
Finland	1,785	1,795	1,476	1,557	645	653	38.0	41.5	7.1	7.3	3/	3/	3.2	4.8
France	1,135	1,147	824	857	235	238	16.1	16.6	17.7	18.7	2.8	3.4	2.5	3.7
Germany, West	780	759	771	763	220	214	18.9	19.0	4/ 9.3	4/ 8.8	16.2	16.1	2.1	2.1
Ireland	2,172	2,246	1,418	1,396	498	502	35.2	36.8	2.8	2.9	3/	3/	2.4	3.5
Italy 5/	459	447	365	382	119	116	3.4	4.3	20.7	20.1	1.1	1.2	3/	3/
Netherlands	1,317	1,358	680	711	175	179	10.9	11.9	20.0	20.4	20.1	19.7	6/ 1.3	6/ 1.3
Norway 7/	992	1,010	884	893	505	507	8.3	8.8	19.0	18.6	3/	3/	3/	3/
Sweden	1,178	1,198	1,039	1,037	434	414	20.9	21.7	17.1	17.2	1.1	1.3	7.7	9.5
Switzerland 7/	1,240	1,225	1,013	988	451	435	14.9	14.5	18.5	18.1	3.6	2.5	7.7	9.1
United Kingdom	550	558	896	910	364	366	20.2	20.6	10.2	10.5	6.5	6.5	5.4	5.3
Australia	1,398	1,388	959	964	309	305	25.2	26.4	7.2	6.3	10.2	9.7	7.7	6.0
New Zealand 8/	4,886	4,790	1,339	1,331	472	469	42.9	42.6	6.3	6.3	3/	3/	9/ 3.0	9/ 2.9
Canada	1,056	1,042	860	899	376	376	16.4	17.8	6.5	7.1	17.8	17.6	8.6	7.4
United States 10/	683	675	638	636	11/ 372	11/ 370	7.4	7.2	8.6	9.1	18.0	17.2	6.6	5.9

1/ Preliminary. 2/ Fluid milk and dairy products in terms of whole milk equivalent. 3/ Not identified as to type; nominal figure for dry whole milk component has been included in total milk equivalent. 4/ Adjusted; excludes process and other cheeses with butterfat content of less than 20 percent. 5/ Includes sheep and goat milk. 6/ Dried whole milk only. 7/ Includes goat milk. 8/ Years ending June 30. 9/ Dried skim milk only. 10/ Per capita consumption data as reported by Economic Research Service, U. S. Department of Agriculture. 11/ Includes nominal figure for milk equivalent of other dairy products consumed, e.g., dry cream, malted milk, dry ice cream mix, etc.

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TABLE 2.--MILK AND DAIRY PRODUCTS: Relative position of 17 countries in per capita production and consumption, 1961 and 1962 1/

Country	Production of fluid milk		Consumption											
			Milk equivalent 2/		Fluid milk and cream		Butter		Cheese		Canned milk		Dried milk	
	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962
Finland	4	4	1	1	1	1	2	2	14	13	3/	3/	8	8
Ireland	3	3	2	2	3	3	3	3	17	17	3/	3/	11	10
New Zealand	1	1	3	3	4	4	1	1	16	16	3/	3/	9	11
Sweden	8	8	4	4	6	6	6	6	7	7	10	10	3	2
Denmark	2	2	6	5	7	7	5	5	3	3	3/	3/	3/	3/
Switzerland	7	7	5	6	5	5	12	12	5	6	8	9	4	3
Australia	5	5	7	7	12	12	4	4	13	15	5	5	5	5
United Kingdom	16	16	8	8	10	10	7	7	9	9	6	6	7	7
Canada	10	10	11	9	8	8	10	10	15	14	3	2	2	4
Norway	11	11	9	10	2	2	15	15	4	5	3/	3/	3/	3/
Belgium	12	12	10	11	13	13	9	9	8	8	7	7	1	1
France	9	9	12	12	14	14	11	11	6	4	9	8	10	9
Germany, West	14	14	13	13	15	15	8	8	10	11	4	4	13	13
Netherlands	6	6	14	14	16	16	13	13	2	1	1	1	14	14
Austria	13	13	15	15	11	11	14	14	12	12	12	12	12	12
United States	15	15	16	16	9	9	16	16	11	10	2	3	6	6
Italy	17	17	17	17	17	17	17	17	1	2	11	11	3/	3/

1/ Derived from TABLE 1. 2/ Fluid milk and dairy products in terms of whole milk equivalent. 3/ Not available.

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